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OM protein - protein search, using sw model

Run on: December 5, 2005, 18:41:26 ; Search time 15.5069 Seconds
(without alignments)
154.614 Million cell updates/sec

Title: US-10-624-218-1

Perfect score: 29
Sequence: 1 RAAFLEKENTALRTEVAEAEKEVGRCNI 29

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 572060 seqs, 82675679 residues

Word size : 0
Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : Issued Patents_AA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	9	31.0	335	2	US-09-949-016-11210 Sequence 11210, A
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4	8	27.6	534	2	US-09-103-664A-2 Sequence 2, Appli
5	7	24.1	84	2	US-09-902-540-16607 Sequence 16607, A
6	7	24.1	245	2	US-09-907-907A-45 Sequence 45, Appl
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8	6	20.7	95	2	US-09-621-976-4267 Sequence 4267, Ap
9	6	20.7	105	2	US-09-583-110-5144 Sequence 5144, Ap
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Prieber, S.
10/624218
Seq. IDs 1-4
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262	5	17.2	84	2	US-09-732-210-136	Sequence 136, App	335	107	2	US-09-854-133-113	Sequence 113, App
263	5	17.2	84	2	US-10-004-860-595	Sequence 595, App	336	107	2	US-08-710-749-22	Sequence 22, Appl
264	5	17.2	86	2	US-09-299-495F-17	Sequence 17, Appl	337	108	1	US-08-710-749-23	Sequence 23, Appl
265	5	17.2	86	2	US-09-299-495F-52	Sequence 52, Appl	338	108	1	US-08-710-749-24	Sequence 24, Appl
266	5	17.2	86	2	US-09-732-210-1580	Sequence 1580, Ap	339	108	1	US-08-710-749-26	Sequence 26, Appl
267	5	17.2	86	2	US-09-107-532A-4130	Sequence 4130, Ap	340	108	2	US-09-147-875A-23	Sequence 23, Appl
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269	5	17.2	87	2	US-09-949-016-10441	Sequence 10441, A	342	108	2	US-09-147-875A-25	Sequence 25, Appl
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271	5	17.2	89	1	US-08-690-011A-52	Sequence 52, Appl	344	108	2	US-09-902-540-16230	Sequence 16230, A
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277	5	17.2	92	2	US-09-303-518D-216	Sequence 216, App	350	110	2	US-09-513-999C-5836	Sequence 5836, Ap
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280	5	17.2	94	2	US-09-442-099A-11	Sequence 11, Appl	353	111	2	US-10-013-819-88	Sequence 88, Appl
281	5	17.2	94	2	US-09-612-342-11	Sequence 11, Appl	354	111	2	US-09-270-767-56632	Sequence 56632, A
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301	5	17.2	99	2	US-09-147-875A-16	Sequence 16, Appl	374	123	2	US-08-529-055-62	Sequence 62, Appl
302	5	17.2	100	1	US-08-569-166-32	Sequence 32, Appl	375	124	2	US-09-513-999C-4867	Sequence 4867, Ap
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306	5	17.2	100	2	US-09-147-875A-4	Sequence 4, Appli	379	127	2	US-09-107-532A-5681	Sequence 5681, Ap
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308	5	17.2	100	2	US-09-147-875A-10	Sequence 10, Appl	381	129	2	US-09-621-976-4973	Sequence 4973, Ap
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312	5	17.2	101	1	US-08-710-749-3	Sequence 3, Appli	385	132	2	US-09-710-279-714	Sequence 714, App
313	5	17.2	101	2	US-08-710-749-7	Sequence 7, Appli	386	132	2	US-09-949-016-9217	Sequence 9217, Ap
314	5	17.2	101	2	US-09-147-875A-9	Sequence 9, Appli	387	132	2	US-09-949-016-9218	Sequence 9218, Ap
315	5	17.2	101	2	US-09-621-976-4489	Sequence 4489, Ap	388	133	2	US-09-270-767-35955	Sequence 35955, A
316	5	17.2	101	2	US-08-943-667-32	Sequence 32, Appl	389	133	2	US-09-270-767-51172	Sequence 51172, A
317	5	17.2	102	1	US-08-750-856A-16	Sequence 16, Appl	390	133	2	US-09-248-796A-15417	Sequence 15417, A
318	5	17.2	102	1	US-08-710-749-8	Sequence 8, Appli	391	134	1	US-08-328-152A-13	Sequence 13, Appli
319	5	17.2	102	1	US-08-710-749-21	Sequence 21, Appl	392				

393	5	17.2	134	2	US-09-134-001C-4509	Sequence 4509, Ap	466	5	17.2	170	2	US-09-772-719B-54	Sequence 54, Appl
394	5	17.2	134	2	US-08-529-055-65	Sequence 65, Appl	467	5	17.2	172	2	US-09-543-681A-6098	Sequence 6098, Ap
395	5	17.2	136	2	US-09-800-170-14	Sequence 14, Appl	468	5	17.2	172	2	US-09-134-000C-4129	Sequence 4129, Ap
396	5	17.2	136	2	US-09-107-433-4304	Sequence 4304, Ap	469	5	17.2	172	2	US-09-107-532A-5272	Sequence 5272, Ap
397	5	17.2	138	2	US-09-252-991A-26095	Sequence 26095, A	470	5	17.2	174	2	US-09-134-000C-6604	Sequence 6604, Ap
398	5	17.2	138	2	US-09-270-767-61070	Sequence 61070, A	471	5	17.2	174	2	US-09-270-767-44728	Sequence 44728, A
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402	5	17.2	140	2	US-09-603-208A-196	Sequence 196, App	475	5	17.2	175	2	US-09-865-159A-18	Sequence 18, Appl
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405	5	17.2	141	2	US-10-254-995-2	Sequence 2, Appli	478	5	17.2	178	2	US-09-183-841-2	Sequence 2, Appli
406	5	17.2	144	2	US-09-621-976-5120	Sequence 5120, Ap	479	5	17.2	178	2	US-08-671-548C-14	Sequence 14, Appl
407	5	17.2	144	2	US-09-270-767-34931	Sequence 34931, A	480	5	17.2	178	2	US-08-284-667A-14	Sequence 14, Appl
408	5	17.2	144	2	US-09-270-767-50148	Sequence 50148, A	481	5	17.2	179	2	US-09-107-532A-6595	Sequence 6595, Ap
409	5	17.2	146	2	US-09-248-796A-20627	Sequence 20627, A	482	5	17.2	181	2	US-09-442-099A-10	Sequence 10, Appl
410	5	17.2	148	2	US-09-107-532A-6636	Sequence 6636, Ap	483	5	17.2	181	2	US-09-252-991A-19056	Sequence 19056, A
411	5	17.2	148	2	US-09-543-681A-7491	Sequence 7491, Ap	484	5	17.2	181	2	US-09-612-342-10	Sequence 10, Appl
412	5	17.2	148	2	US-09-248-796A-19319	Sequence 19319, A	485	5	17.2	181	2	US-09-612-421A-10	Sequence 10, Appl
413	5	17.2	149	2	US-08-328-352-7084	Sequence 7084, Ap	486	5	17.2	181	2	US-08-529-055-42	Sequence 42, Appl
414	5	17.2	149	2	US-09-270-767-32135	Sequence 32135, A	487	5	17.2	181	2	US-09-978-248A-12	Sequence 12, Appl
415	5	17.2	149	2	US-09-249-543B-26	Sequence 26, Appl	488	5	17.2	182	1	US-08-602-941-2	Sequence 2, Appli
416	5	17.2	150	2	US-09-198-452A-232	Sequence 232, App	489	5	17.2	182	2	US-08-961-264-2	Sequence 2, Appli
417	5	17.2	150	2	US-09-270-767-59622	Sequence 59622, A	490	5	17.2	182	2	US-09-442-099A-2	Sequence 2, Appli
418	5	17.2	150	2	US-09-513-999C-5732	Sequence 5732, Ap	491	5	17.2	182	2	US-09-442-099A-17	Sequence 17, Appl
419	5	17.2	150	2	US-08-438-185A-218	Sequence 218, App	492	5	17.2	182	2	US-09-612-342-2	Sequence 2, Appli
420	5	17.2	151	2	US-09-107-532A-5606	Sequence 5606, Ap	493	5	17.2	182	2	US-09-612-342-17	Sequence 17, Appl
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422	5	17.2	154	2	US-09-270-767-33789	Sequence 33789, A	495	5	17.2	182	2	US-09-612-421A-17	Sequence 17, Appl
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424	5	17.2	154	2	US-08-249-543B-24	Sequence 24, Appl	497	5	17.2	182	2	US-09-248-796A-15881	Sequence 15881, A
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428	5	17.2	156	2	US-09-902-540-11363	Sequence 11363, A	501	5	17.2	184	2	US-09-921-144-20	Sequence 20, Appl
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430	5	17.2	158	2	US-09-010-809-20	Sequence 20, Appl	503	5	17.2	185	2	US-09-921-144-18	Sequence 18, Appl
431	5	17.2	158	2	US-09-252-991A-16612	Sequence 16612, A	504	5	17.2	186	2	US-09-270-767-57965	Sequence 57965, A
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436	5	17.2	161	2	US-09-270-767-42139	Sequence 42139, A	509	5	17.2	188	2	US-09-902-540-15656	Sequence 15656, A
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438	5	17.2	162	2	US-09-270-767-55098	Sequence 55098, A	511	5	17.2	190	2	US-09-489-039A-9343	Sequence 9343, Ap
439	5	17.2	162	2	US-09-921-144-16	Sequence 16, App	512	5	17.2	190	2	US-09-902-540-9718	Sequence 9718, Ap
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441	5	17.2	163	2	US-08-861-451A-80	Sequence 80, Appl	514	5	17.2	191	2	US-09-232-200-15	Sequence 15, Appl
442	5	17.2	163	2	US-09-921-144-14	Sequence 14, Appl	515	5	17.2	191	2	US-09-232-197-15	Sequence 15, Appl
443	5	17.2	164	2	US-08-489-039A-12948	Sequence 12948, A	516	5	17.2	191	2	US-09-232-201-15	Sequence 15, Appl
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445	5	17.2	165	2	US-09-270-767-41415	Sequence 41415, A	518	5	17.2	191	2	US-09-107-532A-5508	Sequence 5508, Ap
446	5	17.2	167	2	US-09-902-540-14730	Sequence 14730, A	519	5	17.2	191	2	US-09-232-195-15	Sequence 15, Appl
447	5	17.2	168	2	US-09-329-884-22	Sequence 22, Appl	520	5	17.2	191	2	US-09-270-767-39339	Sequence 39339, A
448	5	17.2	168	2	US-09-107-532A-6863	Sequence 6863, Ap	521	5	17.2	191	2	US-09-949-016-7105	Sequence 7105, Ap
449	5	17.2	168	2	US-09-401-064-198	Sequence 198, App	522	5	17.2	191	2	US-08-284-667A-10	Sequence 2, Appli
450	5	17.2	168	2	US-09-865-159A-22	Sequence 22, Appl	523	5	17.2	192	2	US-09-134-000C-6631	Sequence 6631, Ap
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452	5	17.2	169	2	US-09-516-914-7	Sequence 7, Appli	525	5	17.2	193	2	US-09-183-841-1	Sequence 1, Appli
453	5	17.2	169	2	US-09-329-884-14	Sequence 14, Appl	526	5	17.2	193	2	US-08-671-548C-16	Sequence 16, Appl
454	5	17.2	169	2	US-09-602-787A-204	Sequence 204, App	527	5	17.2	193	2	US-09-252-991A-17195	Sequence 17195, A
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462	5	17.2	170	2	US-08-485-863A-54	Sequence 54, Appl	535	5	17.2	195	2	US-09-328-352-6419	Sequence 6419, Ap
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541	5	17.2	197	2	US-09-529-055-44	Sequence 44, Appl	614	5	17.2	225	2	US-09-902-540-15142	Sequence 15142, A
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544	5	17.2	198	2	US-08-529-055-61	Sequence 61, Appl	617	5	17.2	228	2	US-09-949-016-9719	Sequence 9719, Ap
545	5	17.2	198	2	US-09-673-763-10	Sequence 10, Appl	618	5	17.2	230	2	US-09-248-796A-14298	Sequence 14298, A
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548	5	17.2	201	2	US-09-583-110-4820	Sequence 24377, A	621	5	17.2	233	2	US-09-328-352-5266	Sequence 5266, Ap
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551	5	17.2	202	2	US-09-342-084-10	Sequence 10, Appl	624	5	17.2	234	1	US-08-045-985-12	Sequence 12, Appl
552	5	17.2	203	2	US-09-267-177-30	Sequence 30, Appl	625	5	17.2	234	2	US-09-489-039A-12082	Sequence 12082, A
553	5	17.2	204	2	US-09-134-001C-3617	Sequence 17743, A	626	5	17.2	234	2	US-09-280-597-12	Sequence 12, Appl
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555	5	17.2	204	2	US-08-529-055-51	Sequence 51, Appl	628	5	17.2	237	2	US-09-583-110-3141	Sequence 3141, Ap
556	5	17.2	204	2	US-08-529-055-58	Sequence 58, Appl	629	5	17.2	237	2	US-08-756-416-36	Sequence 36, Appl
557	5	17.2	204	2	US-09-270-767-59117	Sequence 59117, A	630	5	17.2	237	2	US-09-902-540-13176	Sequence 13176, A
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561	5	17.2	206	2	US-09-514-245-14	Sequence 54, Appl	634	5	17.2	240	1	US-08-459-512-12	Sequence 12, Appl
562	5	17.2	206	2	US-09-514-245-169	Sequence 14, Appl	635	5	17.2	240	1	US-08-459-512-12	Sequence 12, Appl
563	5	17.2	206	2	US-09-514-245-170	Sequence 169, App	636	5	17.2	240	1	US-08-460-132-12	Sequence 12, Appl
564	5	17.2	206	2	US-09-514-245-170	Sequence 170, App	637	5	17.2	240	2	US-08-466-465-4	Sequence 4, Appl
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566	5	17.2	207	2	US-09-107-532A-4127	Sequence 4127, Ap	639	5	17.2	240	2	US-09-730-465-4	Sequence 4, Appl
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573	5	17.2	210	2	US-09-074-044A-25	Sequence 25, Appl	646	5	17.2	243	2	US-09-949-016-8083	Sequence 8083, Ap
574	5	17.2	210	2	US-09-489-039A-10227	Sequence 10227, A	647	5	17.2	243	2	US-09-489-039A-14079	Sequence 14079, A
575	5	17.2	211	2	US-09-949-016-10603	Sequence 10603, A	648	5	17.2	244	2	US-09-248-796A-14881	Sequence 14881, A
576	5	17.2	211	2	US-08-529-055-67	Sequence 67, Appl	649	5	17.2	247	2	US-09-107-433-2806	Sequence 2806, Ap
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578	5	17.2	212	2	US-08-861-774E-34	Sequence 34, Appl	651	5	17.2	250	1	US-07-940-861-10	Sequence 10, Appl
579	5	17.2	212	2	US-08-529-055-68	Sequence 68, Appl	652	5	17.2	250	1	US-08-459-512-10	Sequence 10, Appl
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581	5	17.2	213	2	US-09-328-352-5268	Sequence 5268, Ap	654	5	17.2	250	1	US-08-460-132-10	Sequence 10, Appl
582	5	17.2	213	2	US-09-248-796A-18858	Sequence 18858, A	655	5	17.2	250	2	US-08-466-465-2	Sequence 2, Appl
583	5	17.2	214	2	US-09-291-170A-7	Sequence 7, Appl	656	5	17.2	250	2	US-09-730-465-2	Sequence 2, Appl
584	5	17.2	214	2	US-09-724-884-7	Sequence 7, Appl	657	5	17.2	250	4	PCT-US92-02050-10	Sequence 10, Appl
585	5	17.2	214	2	US-09-252-991A-28055	Sequence 28055, A	658	5	17.2	250	6	5223394-1	Patent No. 5223394
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587	5	17.2	214	2	US-09-724-592-7	Sequence 7, Appl	660	5	17.2	251	2	US-09-902-540-12733	Sequence 12733, A
588	5	17.2	215	2	US-09-673-222-7	Sequence 7, Appl	661	5	17.2	251	6	5185441-38	Patent No. 5185441
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590	5	17.2	216	2	US-09-248-796A-16991	Sequence 16991, A	663	5	17.2	252	1	US-09-144-925-32	Sequence 32, Appl
591	5	17.2	216	2	US-09-710-279-426	Sequence 426, App	664	5	17.2	253	2	US-09-949-016-10124	Sequence 10124, A
592	5	17.2	217	2	US-09-583-110-2811	Sequence 2811, Ap	665	5	17.2	254	2	US-09-252-991A-22771	Sequence 22771, A
593	5	17.2	217	2	US-09-583-110-3412	Sequence 3412, Ap	666	5	17.2	254	2	US-09-270-767-33738	Sequence 33738, A
594	5	17.2	217	2	US-09-583-110-4492	Sequence 4492, Ap	667	5	17.2	254	2	US-09-270-767-48955	Sequence 48955, A
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596	5	17.2	218	2	US-09-134-001C-5320	Sequence 5320, Ap	669	5	17.2	254	2	US-09-248-796A-21484	Sequence 21484, A
597	5	17.2	218	2	US-09-328-352-6389	Sequence 6389, Ap	670	5	17.2	255	2	US-09-902-540-15766	Sequence 15766, A
598	5	17.2	219	2	US-09-107-433-5063	Sequence 5063, Ap	671	5	17.2	255	2	US-09-603-787A-542	Sequence 542, App
599	5	17.2	219	2	US-09-107-433-5065	Sequence 5065, Ap	672	5	17.2	255	2	US-09-949-016-6882	Sequence 6882, Ap
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602	5	17.2	220	2	US-09-489-039A-7578	Sequence 7578, Ap	675	5	17.2	256	1	US-08-486-756A-51	Sequence 51, Appl
603	5	17.2	221	2	US-09-252-991A-21282	Sequence 21282, A	676	5	17.2	256	1	US-08-485-852B-51	Sequence 51, Appl
604	5	17.2	221	2	US-09-978-309A-76	Sequence 76, Appl	677	5	17.2	256	2	US-08-487-077A-51	Sequence 51, Appl
605	5	17.2	222	1	US-08-328-152A-8	Sequence 8, Appl	678	5	17.2	256	2	US-08-485-863A-51	Sequence 51, Appl
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608	5	17.2	223	2	US-09-543-681A-5667	Sequence 5667, Ap	681	5	17.2	257	2	US-09-772-719B-51	Sequence 51, Appl
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611	5	17.2	225	2	US-09-107-532A-5540	Sequence 5540, Ap	684	5	17.2	257	2	US-09-177-776-51	Sequence 51, Appl

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690	5	17.2	260	2	US-09-075-454-4	Sequence 4, Appl	763	5	17.2	287	2	US-08-937-271-2	Sequence 2, Appl
691	5	17.2	261	2	US-09-902-540-11654	Sequence 11654, A	764	5	17.2	287	2	US-09-303-518D-218	Sequence 218, App
692	5	17.2	261	2	US-09-252-991A-17665	Sequence 17665, A	765	5	17.2	287	2	US-09-303-518D-893	Sequence 893, App
693	5	17.2	261	2	US-09-134-000C-4310	Sequence 4310, Ap	766	5	17.2	287	2	US-09-303-518D-894	Sequence 894, App
694	5	17.2	262	2	US-09-328-352-5050	Sequence 5050, Ap	767	5	17.2	287	2	US-09-303-518D-895	Sequence 895, App
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696	5	17.2	263	2	US-09-270-767-42893	Sequence 42893, A	769	5	17.2	287	2	US-09-303-518D-897	Sequence 897, App
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698	5	17.2	264	2	US-09-949-016-10651	Sequence 10651, A	771	5	17.2	287	2	US-09-303-518D-901	Sequence 901, App
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702	5	17.2	269	2	US-09-949-016-6180	Sequence 6180, Ap	775	5	17.2	287	2	US-09-303-518D-911	Sequence 911, App
703	5	17.2	270	2	US-09-205-258-568	Sequence 568, App	776	5	17.2	287	2	US-09-303-518D-912	Sequence 912, App
704	5	17.2	270	2	US-09-489-039A-11762	Sequence 11762, A	777	5	17.2	287	2	US-09-303-518D-913	Sequence 913, App
705	5	17.2	270	2	US-09-949-016-8118	Sequence 8118, Ap	778	5	17.2	287	2	US-09-303-518D-916	Sequence 916, App
706	5	17.2	270	2	US-10-004-860-568	Sequence 568, App	779	5	17.2	287	2	US-09-303-518D-917	Sequence 917, App
707	5	17.2	271	2	US-08-393-889-8	Sequence 8, Appl	780	5	17.2	287	2	US-08-312-949-4	Sequence 4, Appl
708	5	17.2	271	2	US-09-119-900-8	Sequence 8, Appl	781	5	17.2	288	2	US-08-446-201-4	Sequence 4, Appl
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711	5	17.2	271	2	US-08-472-630-8	Sequence 8, Appl	784	5	17.2	288	2	US-09-902-540-13291	Sequence 13291, A
712	5	17.2	271	4	PCT-US94-09450-8	Sequence 8, Appl	785	5	17.2	288	2	US-09-303-518D-224	Sequence 224, App
713	5	17.2	272	2	US-08-393-889-15	Sequence 15, Appl	786	5	17.2	288	2	US-09-303-518D-226	Sequence 226, App
714	5	17.2	272	2	US-09-119-900-15	Sequence 15, Appl	787	5	17.2	288	2	US-09-303-518D-921	Sequence 921, App
715	5	17.2	272	2	US-08-472-630-15	Sequence 15, Appl	788	5	17.2	288	2	US-09-303-518D-922	Sequence 922, App
716	5	17.2	272	2	US-09-902-540-16406	Sequence 16406, A	789	5	17.2	288	2	US-08-072-070-4	Sequence 4, Appl
717	5	17.2	272	4	PCT-US94-09450-15	Sequence 15, Appl	790	5	17.2	289	1	US-08-469-434-4	Sequence 4, Appl
718	5	17.2	273	2	US-09-134-001C-3917	Sequence 3917, Ap	791	5	17.2	289	1	US-08-214-222-4	Sequence 4, Appl
719	5	17.2	273	2	US-09-252-991A-28394	Sequence 28394, A	792	5	17.2	289	1	US-08-467-852A-5	Sequence 5, Appl
720	5	17.2	273	2	US-09-949-016-11056	Sequence 11056, A	793	5	17.2	289	1	US-08-468-718-4	Sequence 4, Appl
721	5	17.2	274	2	US-09-134-000C-4454	Sequence 4454, Ap	794	5	17.2	289	1	US-08-583-110-3563	Sequence 5, Appl
722	5	17.2	274	2	US-09-270-767-34274	Sequence 34274, A	795	5	17.2	289	1	US-08-457-245-7	Sequence 7, Appl
723	5	17.2	274	2	US-09-270-767-49491	Sequence 49491, A	796	5	17.2	289	1	US-09-248-796A-16918	Sequence 16918, A
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725	5	17.2	274	2	US-10-104-047-3353	Sequence 3353, Ap	798	5	17.2	290	2	US-09-949-016-10385	Sequence 10385, A
726	5	17.2	276	2	US-09-236-268-6	Sequence 6, Appl	799	5	17.2	290	2	US-09-252-991A-25517	Sequence 25517, A
727	5	17.2	277	2	US-09-007-484-4	Sequence 4, Appl	800	5	17.2	291	2	US-09-107-433-4868	Sequence 4868, Ap
728	5	17.2	277	2	US-09-309-682-4	Sequence 4, Appl	801	5	17.2	291	2	US-09-934-899-2	Sequence 2, Appl
729	5	17.2	279	2	US-09-107-532A-6915	Sequence 6915, Ap	802	5	17.2	292	2	US-09-949-016-9717	Sequence 9717, Ap
730	5	17.2	279	2	US-09-248-796A-18859	Sequence 18859, A	803	5	17.2	293	2	US-10-701-200-22	Sequence 22, Appl
731	5	17.2	280	1	US-08-312-387B-6	Sequence 6, Appl	804	5	17.2	293	2	US-09-355-160D-8	Sequence 8, Appl
732	5	17.2	280	1	US-08-683-426-6	Sequence 6, Appl	805	5	17.2	293	2	US-09-252-991A-22068	Sequence 22068, A
733	5	17.2	280	1	US-08-595-559-3	Sequence 3, Appl	806	5	17.2	293	2	US-10-092-219-8	Sequence 8, Appl
734	5	17.2	280	1	US-08-683-458-6	Sequence 6, Appl	807	5	17.2	294	2	US-09-134-001C-2850	Sequence 2850, Ap
735	5	17.2	280	1	US-08-878-360-6	Sequence 6, Appl	808	5	17.2	294	2	US-10-118-079-4	Sequence 4, Appl
736	5	17.2	280	2	US-08-478-140B-6	Sequence 6, Appl	809	5	17.2	294	2	US-09-252-991A-29778	Sequence 29778, A
737	5	17.2	280	2	US-09-333-412-6	Sequence 6, Appl	810	5	17.2	295	2	US-09-902-540-13808	Sequence 13808, A
738	5	17.2	280	2	US-09-338-943-6	Sequence 6, Appl	811	5	17.2	295	2	US-09-990-444-213	Sequence 213, App
739	5	17.2	280	2	US-10-007-267A-6	Sequence 6, Appl	812	5	17.2	295	2	US-09-997-333-213	Sequence 213, App
740	5	17.2	280	2	US-10-159-901-9	Sequence 9, Appl	813	5	17.2	297	2	US-09-992-598-213	Sequence 213, App
741	5	17.2	281	2	US-09-270-767-45261	Sequence 45261, A	814	5	17.2	299	2	US-09-543-681A-7602	Sequence 7602, Ap
742	5	17.2	281	2	US-09-949-016-8978	Sequence 8978, Ap	815	5	17.2	300	2	US-09-902-540-15276	Sequence 15276, A
743	5	17.2	282	2	US-09-252-991A-19093	Sequence 19093, A	816	5	17.2	301	2	US-09-095-117-6	Sequence 6, Appl
744	5	17.2	282	2	US-09-252-991A-25948	Sequence 25948, A	817	5	17.2	301	2	US-09-252-991A-27392	Sequence 27392, A
745	5	17.2	282	2	US-09-270-767-42902	Sequence 42902, A	818	5	17.2	301	2	US-09-489-039A-7736	Sequence 7736, Ap
746	5	17.2	283	1	US-08-583-672-2	Sequence 2, Appl	819	5	17.2	302	2	US-09-270-767-42595	Sequence 42595, A
747	5	17.2	283	1	US-08-202-044-2	Sequence 2, Appl	820	5	17.2	302	2	US-09-949-016-6178	Sequence 6178, Ap
748	5	17.2	283	2	US-08-751-344B-2	Sequence 2, Appl	821	5	17.2	302	2	US-09-252-991A-27962	Sequence 27962, A
749	5	17.2	283	2	US-09-270-767-44951	Sequence 44951, A	822	5	17.2	302	2	US-09-328-352-4193	Sequence 4193, Ap
750	5	17.2	284	1	US-08-320-148B-2	Sequence 2, Appl	823	5	17.2	301	2	US-09-710-279-2170	Sequence 2170, Ap
751	5	17.2	284	2	US-08-589-028-6	Sequence 6, Appl	824	5	17.2	301	2	US-09-095-117-8	Sequence 8, Appl
752	5	17.2	284	2	US-08-784-582-6	Sequence 6, Appl	825	5	17.2	304	2	US-09-252-991A-31539	Sequence 31539, A
753	5	17.2	284	2	US-08-785-271-6	Sequence 6, Appl	826	5	17.2	304	2	US-09-543-681A-7290	Sequence 7290, Ap
754	5	17.2	284	2	US-09-031-898-2	Sequence 2, Appl	827	5	17.2	304	2		
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756	5	17.2	284	2	US-09-270-767-43132	Sequence 43132, A	829	5	17.2	304	2		
757	5	17.2	284	2	US-09-759-847A-2	Sequence 2, Appl	830	5	17.2	304	2		

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832	5	17.2	305	2	US-09-674-529B-14	Sequence 14, Appl	905	5	17.2	334	2	US-09-134-000C-6029	Sequence 6029, Ap
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ALIGNMENTS

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RESULT 1
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; Sequence 10895, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10895
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; ORGANISM: Human
US-09-949-016-10895
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; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
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; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
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; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11210
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RESULT 3
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; Patent No. 5290690
; APPLICANT: MRABET, NADIR; LASTERS, IGNACE; STANSSENS, PATRICK
; MATTHYSSENS, GASTON; WODAK, SHOSHANA; QUAX, WILHELMUS J.
; TITLE OF INVENTION: METHODS AND MEANS FOR CONTROLLING THE
; STABILITY OF PROTEINS
; NUMBER OF SEQUENCES: 22
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/398,706
; FILING DATE: 25-AUG-1989
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RESULT 4
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; Sequence 2, Application US/09103664A
; Patent No. 6458358
; GENERAL INFORMATION:
; APPLICANT: University of Kentucky Research Foundation
; APPLICANT: Timoney, John
; APPLICANT: Attiushin, Sergey
; TITLE OF INVENTION: Compounds Encoding the Protective M-Like Protein of Streptococcus
; FILE REFERENCE: 50229-212
; CURRENT APPLICATION NUMBER: US/09/103,664A
; CURRENT FILING DATE: 1998-06-23
; NUMBER OF SEQ ID NOS: 10
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RESULT 5
US-09-502-540-16607
; Sequence 16607, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
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; LENGTH: 84
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US-09-902-540-16607

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RESULT 6
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; Sequence 45, Application US/09907907A
; Patent No. 6951923
; GENERAL INFORMATION:
; APPLICANT: Fisher, Paul B.
; APPLICANT: Leszcyniecka, Magdalena
; TITLE OF INVENTION: GENES DISPLAYING ENHANCED EXPRESSION DURING CELLULAR SENESECE A
; TITLE OF INVENTION: TERMINAL CELL DIFFERENTIATION AND USES THEREOF
; FILE REFERENCE: A34584-A-PCT-USA (070050.1664)
; CURRENT APPLICATION NUMBER: US/09/907,907A
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: US 09/243,277
; PRIOR FILING DATE: 1999-02-02
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Artificial Sequence
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; OTHER INFORMATION: Consensus sequence between Homo sapiens OLD-35 and
; OTHER INFORMATION: Bacillus subtilis PNPase
US-09-907-907A-45

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RESULT 7
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; Sequence 5352, Application US/09134000C

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Db 151 VAELEKEV 157

RESULT 8
US-09-621-976-4267
; Sequence 4267, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
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; LENGTH: 95
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US-09-621-976-4267

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RESULT 9
US-09-583-110-5144
; Sequence 5144, Application US/09583110
; Patent No. 6699703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02

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; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-09-593-110-5144

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Qy      8 ALELKE 13
Db      37 ENTALR 42

RESULT 10
US-08-857-076-75
; Sequence 75, Application US/08857076C
; Patent No. 6225120
; GENERAL INFORMATION:
; APPLICANT: Ruvkun, Gary
; APPLICANT: Kimura, Koutarou
; APPLICANT: Patterson, Garth
; APPLICANT: Ogg, Scott
; APPLICANT: Paradis, Suzanne
; APPLICANT: Tissenbaum, Heidi
; APPLICANT: Morris, Jason
; APPLICANT: Koweek, Allison
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR
; FILE OF INVENTION: IMPAIRED GLUCOSE TOLERANCE CONDITIONS
; FILE REFERENCE: 00786/351001
; CURRENT APPLICATION NUMBER: US/08/857,076C
; CURRENT FILING DATE: 1997-05-15
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 75
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-08-857-076-75

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Best Local Similarity 100.0%; Pred. No. 45;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      17 ALELKE 22
Db      28 ALELKE 33

RESULT 11
US-09-205-658-75
; Sequence 75, Application US/09205658
; Patent No. 6861256
; GENERAL INFORMATION:
; APPLICANT: Ruvkun, Gary
; APPLICANT: Ogg, Scott
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR
; FILE OF INVENTION: IMPAIRED GLUCOSE TOLERANCE CONDITIONS
; FILE REFERENCE: 00786/351004
; CURRENT APPLICATION NUMBER: US/09/205,658
; CURRENT FILING DATE: 1998-12-03
; EARLIER APPLICATION NUMBER: 08/857,076
; EARLIER FILING DATE: 1997-05-15
; EARLIER APPLICATION NUMBER: 08/888,534
; EARLIER FILING DATE: 1997-07-07
; EARLIER APPLICATION NUMBER: US98/10080
; EARLIER FILING DATE: 1998-05-15
; NUMBER OF SEQ ID NOS: 328
; SOFTWARE: FastSeq for Windows Version 4.0
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; LENGTH: 112

; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 5144
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-205-658-75

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Best Local Similarity 100.0%; Pred. No. 45;
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Qy      17 ALELKE 22
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RESULT 12
US-09-134-000C-5995
; Sequence 5995, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; FILE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5995
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (35)..(35)
; OTHER INFORMATION: Amino acid 35 is Xaa wherein Xaa = any amino acid.
US-09-134-000C-5995

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Qy      19 LEKEVG 24
Db      26 LEKEVG 31

RESULT 13
US-08-743-200-12
; Sequence 12, Application US/08743200
; Patent No. 5861260
; GENERAL INFORMATION:
; APPLICANT: Doxsey, Stephen J.
; TITLE OF INVENTION: DIAGNOSTIC METHODS FOR SCREENING
; FILE OF INVENTION: PATIENTS FOR SCLERODERMA
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
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; APPLICATION NUMBER: US/08/743,200
; FILING DATE: 05-NOV-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
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; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fasse, J. Peter
; REGISTRATION NUMBER: 32,983
; REFERENCE/DOCKET INFORMATION: 07917/025001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 124 amino acids
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; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-08-743-200-12

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QY 17 ALEKE 22
DB 61 ALEKE 66

RESULT 14
US-09-489-039A-10568
; Sequence 10568, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 10568
; LENGTH: 132
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; ORGANISM: Klebsiella pneumoniae
; US-09-489-039A-10568

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QY 17 ALEKE 22
DB 48 ALEKE 53

RESULT 15
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; Sequence 5156, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNOSTIC THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESS: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354

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; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Denise
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5156:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 135 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...135
; SEQUENCE DESCRIPTION: SEQ ID NO: 5156:
US-09-107-433-5156

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DB 67 ENTALR 72

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OM protein - protein search, using sw model

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Perfect score: 29

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139	5	17.2	18	1	US-08-140-137A-25	Sequence 25, Appl	212	5	17.2	27	4	PCT-US95-09338-9	Sequence 9, Appli
140	5	17.2	18	2	US-09-291-803-4	Sequence 4, Appli	213	5	17.2	27	4	PCT-US95-09339-9	Sequence 9, Appli
141	5	17.2	18	2	US-09-860-276-4	Sequence 4, Appli	214	5	17.2	27	4	US-09-127-680-2	Sequence 2, Appli
142	5	17.2	18	2	US-08-60-395-4	Sequence 49, Appl	215	5	17.2	28	2	US-08-231-730A-13	Sequence 13, Appl
143	5	17.2	21	1	US-10-729-121-49	Sequence 20, Appl	216	5	17.2	30	1	US-08-457-798-13	Sequence 13, Appl
144	5	17.2	22	1	US-08-140-137A-20	Sequence 24, Appl	217	5	17.2	30	1	US-08-457-171-13	Sequence 13, Appl
145	5	17.2	22	1	US-08-140-137A-24	Sequence 34, Appl	218	5	17.2	30	1	US-08-140-137A-41	Sequence 41, Appl
146	5	17.2	22	1	US-08-140-137A-34	Sequence 10, Appl	219	5	17.2	30	1	US-08-505-486-13	Sequence 13, Appl
147	5	17.2	23	1	US-08-231-730A-10	Sequence 57, Appl	220	5	17.2	30	1	US-08-475-328-13	Sequence 13, Appl
148	5	17.2	23	1	US-08-056-200-57	Sequence 14, Appl	221	5	17.2	30	1	US-08-689-489C-13	Sequence 13, Appl
149	5	17.2	23	1	US-08-427-001C-14	Sequence 10, Appl	222	5	17.2	30	2	US-08-801-028-13	Sequence 13, Appl
150	5	17.2	23	1	US-08-457-798-10	Sequence 10, Appl	223	5	17.2	30	2	US-09-340-154-13	Sequence 13, Appl
151	5	17.2	23	1	US-08-457-171-10	Sequence 10, Appl	224	5	17.2	30	2	US-09-232-802A-13	Sequence 13, Appl
152	5	17.2	23	1	US-08-505-486-10	Sequence 98, Appl	225	5	17.2	30	2	US-09-482-611B-13	Sequence 13, Appl
153	5	17.2	23	1	US-08-505-486-98	Sequence 57, Appl	226	5	17.2	30	4	PCT-US94-06176-13	Sequence 13, Appl
154	5	17.2	23	1	US-08-800-644-57	Sequence 10, Appl	227	5	17.2	30	4	PCT-US95-04335-13	Sequence 13, Appl
155	5	17.2	23	1	US-08-475-328-10	Sequence 10, Appl	228	5	17.2	30	4	PCT-US95-04718-13	Sequence 13, Appl
156	5	17.2	23	2	US-08-689-489C-10	Sequence 10, Appl	229	5	17.2	30	4	PCT-US95-09338-13	Sequence 13, Appl
157	5	17.2	23	2	US-08-801-028-10	Sequence 98, Appl	230	5	17.2	30	4	PCT-US95-09339-13	Sequence 13, Appl
158	5	17.2	23	2	US-08-801-028-98	Sequence 10, Appl	231	5	17.2	30	4	US-09-756-983-19	Sequence 19, Appl
159	5	17.2	23	2	US-09-340-154-10	Sequence 10, Appl	232	5	17.2	31	2	US-08-140-137A-27	Sequence 27, Appl
160	5	17.2	23	2	US-09-340-154-98	Sequence 98, Appl	233	5	17.2	32	1	US-08-446-692-16	Sequence 16, Appl
161	5	17.2	23	2	US-09-232-802A-10	Sequence 10, Appl	234	5	17.2	34	1	US-08-488-351A-16	Sequence 16, Appl
162	5	17.2	23	2	US-09-482-611B-10	Sequence 98, Appl	235	5	17.2	34	1	US-08-140-137A-45	Sequence 45, Appl
163	5	17.2	23	2	US-09-019-922A-14	Sequence 10, Appl	236	5	17.2	35	1	US-08-140-137A-47	Sequence 47, Appl
164	5	17.2	23	2	PCT-US94-06176-10	Sequence 10, Appl	237	5	17.2	35	1	US-08-505-486-97	Sequence 97, Appl
165	5	17.2	23	4	PCT-US95-04335-10	Sequence 10, Appl	238	5	17.2	37	1	US-08-801-028-97	Sequence 97, Appl
166	5	17.2	23	4	PCT-US95-04718-10	Sequence 10, Appl	239	5	17.2	37	2	US-09-340-154-97	Sequence 97, Appl
167	5	17.2	23	4	PCT-US95-09338-10	Sequence 10, Appl	240	5	17.2	37	2	US-09-482-611B-97	Sequence 97, Appl
168	5	17.2	23	4	PCT-US95-09338-98	Sequence 98, Appl	241	5	17.2	37	2	US-09-381-879-8	Sequence 8, Appli
169	5	17.2	23	4	PCT-US95-09339-10	Sequence 10, Appl	242	5	17.2	37	2	US-09-486-143B-8	Sequence 8, Appli
170	5	17.2	23	4	PCT-US95-09339-98	Sequence 98, Appl	243	5	17.2	37	4	PCT-US95-09339-97	Sequence 97, Appl
171	5	17.2	23	4	US-08-446-692-8	Sequence 8, Appli	244	5	17.2	37	4	PCT-US95-09339-97	Sequence 97, Appl
172	5	17.2	24	1	US-08-140-137A-28	Sequence 28, Appl	245	5	17.2	37	4	US-09-395-017B-11	Sequence 11, Appl
173	5	17.2	24	1			246	5	17.2	39	2		

247	5	17.2	39	2	US-09-390-851-3	Sequence 3, Appli	320	5	17.2	78	1	US-08-665-220-67	Sequence 67, Appl
248	5	17.2	39	2	US-09-390-851-8	Sequence 8, Appli	321	5	17.2	78	2	US-09-291-692-67	Sequence 67, Appl
249	5	17.2	42	2	US-09-127-680-4	Sequence 4, Appli	322	5	17.2	78	2	US-09-952-768-67	Sequence 67, Appl
250	5	17.2	43	2	US-08-393-889-1	Sequence 1, Appli	323	5	17.2	78	2	US-10-668-955-67	Sequence 67, Appl
251	5	17.2	43	2	US-08-119-900-1	Sequence 1, Appli	324	5	17.2	78	2	US-10-178-213-83	Sequence 83, Appl
252	5	17.2	43	2	US-08-472-630-1	Sequence 1, Appli	325	5	17.2	78	2	US-10-178-213-86	Sequence 86, Appl
253	5	17.2	43	4	PCT-US94-09450-1	Sequence 1, Appli	326	5	17.2	79	2	US-09-902-540-10186	Sequence 10186, A
254	5	17.2	44	1	US-08-446-692-56	Sequence 56, Appl	327	5	17.2	79	2	US-09-902-540-12364	Sequence 12364, A
255	5	17.2	44	1	US-08-446-692-62	Sequence 62, Appl	328	5	17.2	80	2	US-09-902-540-13156	Sequence 13156, A
256	5	17.2	44	1	US-08-140-137A-48	Sequence 48, Appl	329	5	17.2	80	2	US-09-382-155-14	Sequence 14, Appl
257	5	17.2	44	1	US-08-140-137A-49	Sequence 49, Appl	330	5	17.2	80	2	US-09-074-044A-14	Sequence 14, Appl
258	5	17.2	44	1	US-08-488-351A-56	Sequence 56, Appl	331	5	17.2	80	2	US-09-543-681A-4907	Sequence 4907, Ap
259	5	17.2	44	1	US-08-488-351A-62	Sequence 62, Appl	332	5	17.2	80	2	US-09-270-767-32372	Sequence 32372, A
260	5	17.2	44	2	US-09-270-767-62034	Sequence 62, Appl	333	5	17.2	80	2	US-09-270-767-47589	Sequence 47589, A
261	5	17.2	44	2	US-09-921-144-2	Sequence 2, Appli	334	5	17.2	81	2	US-09-513-999C-4751	Sequence 284, App
262	5	17.2	45	2	US-08-960-190A-33	Sequence 33, Appl	335	5	17.2	82	2	US-10-178-213-284	Sequence 44, Appl
263	5	17.2	45	2	US-10-178-213-441	Sequence 41, App	336	5	17.2	83	1	US-08-690-011A-44	Sequence 44, Appl
264	5	17.2	48	1	US-07-835-860-1	Sequence 1, Appli	337	5	17.2	83	2	US-09-299-495F-44	Sequence 80, Appl
265	5	17.2	48	2	US-09-314-268-153	Sequence 153, App	338	5	17.2	84	2	US-10-178-213-80	Sequence 4709, Ap
266	5	17.2	51	2	US-09-013-896A-10	Sequence 10, Appl	339	5	17.2	87	2	US-09-621-976-7409	Sequence 38, Appl
267	5	17.2	51	2	US-09-827-948-10	Sequence 10, Appl	340	5	17.2	88	2	US-08-581-918A-38	Sequence 38, Appl
268	5	17.2	51	2	US-09-144-428-5	Sequence 5, Appli	341	5	17.2	88	2	US-08-346-147B-38	Sequence 38, Appl
269	5	17.2	51	2	US-10-176-071-10	Sequence 10, Appl	342	5	17.2	89	2	US-08-497-214D-37	Sequence 37, Appl
270	5	17.2	52	1	US-08-249-371-2	Sequence 2, Appli	343	5	17.2	89	2	US-08-346-147B-37	Sequence 37, Appl
271	5	17.2	52	1	US-09-673-395A-242	Sequence 242, App	344	5	17.2	89	2	US-08-497-214D-37	Sequence 37, Appl
272	5	17.2	52	2	US-09-621-976-4619	Sequence 4619, Ap	345	5	17.2	92	2	US-09-144-428-8	Sequence 8, Appli
273	5	17.2	52	2	US-09-621-976-4765	Sequence 4765, Ap	346	5	17.2	92	2	US-09-107-433-2884	Sequence 2884, Ap
274	5	17.2	52	4	PCT-US95-06451-2	Sequence 2, Appli	347	5	17.2	93	2	US-08-569-166-35	Sequence 35, Appl
275	5	17.2	53	1	US-08-480-473B-38	Sequence 38, Appl	348	5	17.2	93	2	US-08-513-999C-4868	Sequence 4868, Ap
276	5	17.2	53	2	US-08-915-213-38	Sequence 38, Appl	349	5	17.2	94	1	US-08-569-166-35	Sequence 35, Appl
277	5	17.2	53	2	US-09-235-217-38	Sequence 38, Appl	350	5	17.2	94	2	US-09-605-703B-2404	Sequence 2404, Ap
278	5	17.2	53	2	US-09-621-976-4571	Sequence 4571, Ap	351	5	17.2	95	2	US-09-732-210-218	Sequence 218, App
279	5	17.2	53	2	US-09-621-976-4735	Sequence 4735, Ap	352	5	17.2	95	2	US-09-732-210-739	Sequence 739, App
280	5	17.2	54	1	US-08-446-682-34	Sequence 34, Appl	353	5	17.2	95	2	US-09-732-210-740	Sequence 740, App
281	5	17.2	54	1	US-08-488-351A-34	Sequence 34, Appl	354	5	17.2	95	2	US-09-621-976-5519	Sequence 5519, Ap
282	5	17.2	55	2	US-09-621-976-4649	Sequence 4649, Ap	355	5	17.2	96	2	US-08-407-165-4	Sequence 4, Appli
283	5	17.2	55	2	US-09-621-976-4682	Sequence 4682, Ap	356	5	17.2	96	2	US-09-390-134B-53	Sequence 53, Appl
284	5	17.2	55	2	US-09-621-976-6267	Sequence 6267, Ap	357	5	17.2	96	2	US-09-252-991A-23574	Sequence 23574, A
285	5	17.2	55	2	US-09-621-976-6267	Sequence 6267, Ap	358	5	17.2	97	1	US-08-569-166-31	Sequence 31, Appl
286	5	17.2	56	1	US-08-676-125A-23	Sequence 23, Appl	359	5	17.2	97	2	US-09-248-796A-21125	Sequence 21125, A
287	5	17.2	58	1	US-08-676-125A-24	Sequence 24, Appl	360	5	17.2	97	2	US-09-902-540-14673	Sequence 14673, A
288	5	17.2	58	1	US-09-136-012A-23	Sequence 23, Appl	361	5	17.2	98	2	US-09-107-532A-6022	Sequence 6022, Ap
289	5	17.2	58	1	US-09-136-012A-24	Sequence 24, Appl	362	5	17.2	98	2	US-09-583-110-4147	Sequence 4147, Ap
290	5	17.2	58	2	US-09-144-428-4	Sequence 4, Appli	363	5	17.2	100	1	US-08-569-166-32	Sequence 32, Appl
291	5	17.2	59	2	US-09-621-976-5774	Sequence 5774, Ap	364	5	17.2	101	2	US-09-482-611B-99	Sequence 99, Appl
292	5	17.2	60	1	US-08-607-412-2	Sequence 2, Appli	365	5	17.2	101	2	US-09-482-611B-101	Sequence 101, App
293	5	17.2	60	2	US-09-291-803-1	Sequence 1, Appli	366	5	17.2	101	2	US-09-732-210-250	Sequence 250, App
294	5	17.2	60	2	US-09-860-276-1	Sequence 1, Appli	367	5	17.2	101	2	US-09-732-210-755	Sequence 755, App
295	5	17.2	60	2	US-09-860-395-1	Sequence 1, Appli	368	5	17.2	101	2	US-08-943-667-32	Sequence 32, Appl
296	5	17.2	61	2	US-09-621-976-4275	Sequence 4275, Ap	369	5	17.2	102	1	US-08-690-011A-45	Sequence 45, Appl
297	5	17.2	61	2	US-09-902-540-16616	Sequence 16616, A	370	5	17.2	102	2	US-09-299-495F-45	Sequence 45, Appl
298	5	17.2	62	2	US-09-621-976-4569	Sequence 4569, Ap	371	5	17.2	102	2	US-09-134-000C-5105	Sequence 5105, Ap
299	5	17.2	64	2	US-09-180-167A-31	Sequence 31, Appl	372	5	17.2	103	2	US-09-511-881A-17	Sequence 17, Appl
300	5	17.2	64	2	US-09-033-524B-31	Sequence 31, Appl	373	5	17.2	103	2	US-09-270-767-40569	Sequence 40569, A
301	5	17.2	64	2	US-09-621-976-6732	Sequence 6732, Ap	374	5	17.2	103	2	US-09-270-767-55785	Sequence 55785, A
302	5	17.2	65	2	US-09-270-767-38707	Sequence 38707, Ap	375	5	17.2	103	2	US-09-513-999C-7837	Sequence 7837, Ap
303	5	17.2	65	2	US-09-270-767-53924	Sequence 53924, A	376	5	17.2	104	1	US-09-270-767-60427	Sequence 60427, A
304	5	17.2	66	2	US-09-227-357-654	Sequence 357, App	377	5	17.2	105	1	US-08-474-177-14	Sequence 14, Appl
305	5	17.2	66	2	US-09-973-278-372	Sequence 372, App	378	5	17.2	105	1	US-08-487-033-14	Sequence 14, Appl
306	5	17.2	67	2	US-09-248-796A-22381	Sequence 22381, A	379	5	17.2	105	1	US-08-480-810-14	Sequence 14, Appl
307	5	17.2	71	2	US-09-206-551-32	Sequence 32, Appl	380	5	17.2	105	1	US-08-508-735-14	Sequence 14, Appl
308	5	17.2	71	2	US-09-107-532A-6043	Sequence 6043, Ap	381	5	17.2	105	1	US-08-848-251-14	Sequence 14, Appl
309	5	17.2	72	2	US-09-134-000C-4826	Sequence 4826, Ap	382	5	17.2	105	1	US-08-486-047-14	Sequence 14, Appl
310	5	17.2	73	2	US-09-206-551-28	Sequence 28, Appl	383	5	17.2	105	2	US-09-120-130-14	Sequence 14, Appl
311	5	17.2	73	2	US-09-206-551-29	Sequence 29, Appl	384	5	17.2	105	2	US-09-115-252-14	Sequence 14, Appl
312	5	17.2	73	2	US-09-206-551-30	Sequence 30, Appl	385	5	17.2	105	2	US-08-986-515-14	Sequence 14, Appl
313	5	17.2	73	2	US-09-206-551-31	Sequence 31, Appl	386	5	17.2	105	2	US-09-120-128-14	Sequence 14, Appl
314	5	17.2	75	2	US-10-178-213-440	Sequence 440, App	387	5	17.2	105	2	US-09-120-129-14	Sequence 14, Appl
315	5	17.2	76	2	US-09-489-039A-9947	Sequence 9947, App	388	5	17.2	105	2	US-09-201-139-14	Sequence 14, Appl
316	5	17.2	76	2	US-09-621-976-4533	Sequence 4533, Ap	389	5	17.2	105	2	US-09-120-131-14	Sequence 14, Appl
317	5	17.2	77	1	US-08-306-511A-8	Sequence 8, Appli	390	5	17.2	106	2	US-09-107-433-4316	Sequence 4316, Ap
318	5	17.2	77	1	US-08-893-274-8	Sequence 8, Appli	391	5	17.2	106	2	US-09-252-991A-19183	Sequence 19183, A
319	5	17.2	77	2	US-09-016-750C-8	Sequence 8, Appli	392	5	17.2	106	2	US-09-902-540-15813	Sequence 15813, A

393	5	17.2	108	2	US-09-294-298A-13	Sequence 13, Appl	466	5	17.2	138	2	US-09-120-129-16	Sequence 16, Appl
394	5	17.2	109	2	US-09-710-279-1766	Sequence 1766, Ap	467	5	17.2	138	2	US-09-201-139-16	Sequence 16, Appl
395	5	17.2	110	2	US-08-545-809A-129	Sequence 129, App	468	5	17.2	138	2	US-08-346-147B-4	Sequence 4, Appl
396	5	17.2	110	2	US-09-277-303-2	Sequence 2, Appl	469	5	17.2	138	2	US-09-120-131-16	Sequence 16, Appl
397	5	17.2	110	2	US-09-513-999C-5836	Sequence 5836, Ap	470	5	17.2	138	2	US-08-822-936-4	Sequence 4, Appl
398	5	17.2	110	2	US-09-902-540-15341	Sequence 15341, A	471	5	17.2	138	2	US-08-497-214D-4	Sequence 4, Appl
399	5	17.2	110	2	US-09-515-697-129	Sequence 129, App	472	5	17.2	138	2	US-09-342-647-6	Sequence 6, Appl
400	5	17.2	111	2	US-09-902-540-14618	Sequence 14618, A	473	5	17.2	138	2	US-09-134-001C-4254	Sequence 4254, Ap
401	5	17.2	111	2	US-10-012-819-88	Sequence 88, Appl	474	5	17.2	138	2	US-09-252-991A-26095	Sequence 26095, A
402	5	17.2	112	2	US-09-248-796A-23969	Sequence 23969, A	475	5	17.2	138	2	US-09-605-703B-286	Sequence 286, App
403	5	17.2	112	2	US-09-902-540-9940	Sequence 9940, Ap	476	5	17.2	138	4	FCT-US95-04636-4	Sequence 4, Appl
404	5	17.2	113	2	US-09-270-767-62356	Sequence 62356, A	477	5	17.2	140	2	US-09-621-976-6296	Sequence 6296, Ap
405	5	17.2	115	2	US-09-107-532A-5161	Sequence 5161, Ap	478	5	17.2	140	2	US-09-270-767-42179	Sequence 42179, A
406	5	17.2	115	2	US-09-107-532A-5162	Sequence 5162, Ap	479	5	17.2	140	2	US-09-270-767-44412	Sequence 44412, A
407	5	17.2	115	2	US-09-107-532A-5163	Sequence 5163, Ap	480	5	17.2	140	2	US-09-830-230A-534	Sequence 534, App
408	5	17.2	115	2	US-09-107-532A-5164	Sequence 5164, Ap	481	5	17.2	141	1	US-08-690-011A-43	Sequence 43, Appl
409	5	17.2	115	2	US-09-134-000C-6533	Sequence 6533, Ap	482	5	17.2	141	2	US-09-299-495F-43	Sequence 43, Appl
410	5	17.2	115	2	US-09-270-767-42268	Sequence 42268, A	483	5	17.2	141	2	US-09-328-352-7241	Sequence 7241, Ap
411	5	17.2	115	2	US-09-248-796A-24976	Sequence 24976, A	484	5	17.2	142	2	US-09-270-767-46853	Sequence 46853, A
412	5	17.2	115	2	US-09-513-999C-4944	Sequence 4944, Ap	485	5	17.2	142	2	US-09-902-540-11283	Sequence 11283, A
413	5	17.2	116	2	US-09-583-110-2851	Sequence 2851, Ap	486	5	17.2	143	2	US-09-732-210-608	Sequence 608, App
414	5	17.2	117	2	US-09-583-110-3144	Sequence 3144, Ap	487	5	17.2	144	2	US-09-543-681A-7213	Sequence 7213, Ap
415	5	17.2	117	2	US-09-270-767-34845	Sequence 34845, A	488	5	17.2	145	2	US-09-328-352-4183	Sequence 4183, Ap
416	5	17.2	117	2	US-09-710-279-1856	Sequence 1856, Ap	489	5	17.2	146	2	US-09-328-352-4906	Sequence 4906, Ap
417	5	17.2	123	2	US-09-513-999C-5074	Sequence 5062, A	490	5	17.2	146	2	US-09-144-428-50	Sequence 50, Appl
423	5	17.2	124	2	US-09-513-999C-4867	Sequence 18229, A	491	5	17.2	146	2	US-09-270-767-40777	Sequence 40777, A
424	5	17.2	127	2	US-09-277-303-4	Sequence 4264, Ap	492	5	17.2	146	2	US-09-270-767-55993	Sequence 55993, A
425	5	17.2	127	2	US-08-732-210-117	Sequence 117, App	493	5	17.2	146	2	US-09-248-796A-20627	Sequence 20627, A
426	5	17.2	127	2	US-08-732-210-117	Sequence 117, App	494	5	17.2	146	2	US-09-540-236-2775	Sequence 2775, Ap
427	5	17.2	127	2	US-09-248-796A-15103	Sequence 15103, A	495	5	17.2	148	2	US-09-248-796A-19319	Sequence 19319, A
428	5	17.2	127	2	US-09-107-433-4052	Sequence 4052, Ap	500	5	17.2	148	2	PCT-US93-09945-4	Sequence 4, Appl
429	5	17.2	130	1	US-08-627-610-8	Sequence 8, Appl	501	5	17.2	148	4	US-09-252-991A-20100	Sequence 20100, A
430	5	17.2	130	2	US-08-581-918A-8	Sequence 8, Appl	502	5	17.2	149	2	US-09-252-991A-25055	Sequence 25055, A
431	5	17.2	130	2	US-08-346-147B-8	Sequence 8, Appl	503	5	17.2	149	2	US-09-732-210-161	Sequence 161, App
432	5	17.2	130	2	US-08-822-936-8	Sequence 8, Appl	504	5	17.2	149	2	US-09-270-767-32135	Sequence 32135, A
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437	5	17.2	132	2	US-09-732-210-1655	Sequence 1655, Ap	509	5	17.2	154	2	US-09-053-197A-25	Sequence 25, Appl
438	5	17.2	132	2	US-09-710-279-714	Sequence 714, App	510	5	17.2	155	2	US-09-085-761A-25	Sequence 25, Appl
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440	5	17.2	132	2	US-09-949-016-9218	Sequence 9218, Ap	512	5	17.2	155	2	US-09-252-991A-24527	Sequence 24527, A
441	5	17.2	133	2	US-09-902-540-15592	Sequence 15592, A	513	5	17.2	155	2	US-09-270-767-57684	Sequence 57684, A
442	5	17.2	134	2	US-09-134-001C-4509	Sequence 4509, Ap	514	5	17.2	155	2	US-09-830-230A-45	Sequence 45, Appl
443	5	17.2	134	2	US-09-328-352-5702	Sequence 5702, Ap	515	5	17.2	155	2	US-09-830-230A-533	Sequence 533, App
444	5	17.2	134	2	US-08-830-230A-478	Sequence 478, App	516	5	17.2	156	1	US-08-474-177-2	Sequence 2, Appl
445	5	17.2	135	2	US-09-252-991A-27904	Sequence 27904, A	517	5	17.2	156	1	US-08-487-033-2	Sequence 2, Appl
446	5	17.2	135	2	US-09-732-210-614	Sequence 614, App	518	5	17.2	156	1	US-08-480-810-2	Sequence 2, Appl
447	5	17.2	136	2	US-09-732-210-631	Sequence 631, App	519	5	17.2	156	1	US-08-508-735-2	Sequence 2, Appl
448	5	17.2	136	2	US-09-107-433-4304	Sequence 4304, Ap	520	5	17.2	156	1	US-08-627-610-2	Sequence 2, Appl
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452	5	17.2	137	1	US-08-893-274-4	Sequence 4, Appl	524	5	17.2	156	1	US-08-486-047-2	Sequence 2, Appl
453	5	17.2	137	2	US-09-016-750C-4	Sequence 4, Appl	525	5	17.2	156	2	US-09-120-128-2	Sequence 2, Appl
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456	5	17.2	138	1	US-08-480-810-16	Sequence 16, Appl	528	5	17.2	156	2	US-08-986-515-2	Sequence 2, Appl
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460	5	17.2	138	1	US-08-486-047-16	Sequence 16, Appl	532	5	17.2	156	2	US-08-346-147B-2	Sequence 2, Appl
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	5	17.2	138	2	US-09-120-128-16	Sequence 16, Appl	538	5	17.2	156	2	US-09-457-646-28	Sequence 28, Appl

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543	5	17.2	156	2	US-09-270-767-53374	Sequence 53374, A	616	5	17.2	190	2	US-09-902-540-9718	Sequence 9718, Ap
544	5	17.2	156	2	US-09-902-540-11363	Sequence 11363, A	617	5	17.2	191	2	US-09-328-352-7059	Sequence 7059, Ap
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556	5	17.2	163	2	US-09-134-000C-4919	Sequence 4919, Ap	629	5	17.2	195	2	US-09-270-767-41877	Sequence 41877, A
557	5	17.2	163	2	US-09-921-144-14	Sequence 14, Appli	630	5	17.2	195	2	US-09-270-767-60029	Sequence 60029, A
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561	5	17.2	166	2	US-09-830-807-18	Sequence 18, Appli	634	5	17.2	197	2	US-09-144-428-2	Sequence 2, Appli
562	5	17.2	166	2	US-09-830-230A-477	Sequence 477, App	635	5	17.2	197	2	US-09-902-540-14467	Sequence 14467, A
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572	5	17.2	170	2	US-08-485-863A-54	Sequence 54, Appli	645	5	17.2	200	2	US-09-583-110-4820	Sequence 4820, Ap
573	5	17.2	170	2	US-08-485-049D-54	Sequence 54, Appli	646	5	17.2	201	1	US-08-155-171B-19	Sequence 19, Appli
574	5	17.2	170	2	US-09-328-352-8037	Sequence 8037, Ap	647	5	17.2	201	1	US-08-435-998-19	Sequence 19, Appli
575	5	17.2	170	2	US-09-144-428-51	Sequence 51, Appli	648	5	17.2	201	1	US-09-252-991A-24377	Sequence 24377, A
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578	5	17.2	170	2	US-09-772-719B-54	Sequence 54, Appli	651	5	17.2	201	2	US-09-902-540-13402	Sequence 14022, A
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583	5	17.2	174	2	US-09-134-000C-6604	Sequence 6604, Ap	656	5	17.2	204	2	US-09-252-991A-26183	Sequence 26183, A
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586	5	17.2	175	2	US-09-902-540-11358	Sequence 10211, A	659	5	17.2	206	2	US-09-583-110-3872	Sequence 3872, Ap
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588	5	17.2	175	2	US-09-902-540-14835	Sequence 14835, A	661	5	17.2	206	2	US-09-514-245-169	Sequence 169, App
589	5	17.2	175	2	US-09-902-540-14924	Sequence 14924, A	662	5	17.2	206	2	US-09-514-245-170	Sequence 170, App
590	5	17.2	176	1	US-08-036-210-9	Sequence 9, Appli	663	5	17.2	206	2	US-10-104-047-2278	Sequence 2278, Ap
591	5	17.2	176	1	US-08-449-609-9	Sequence 9, Appli	664	5	17.2	207	2	US-08-469-260A-14	Sequence 14, Appli
592	5	17.2	176	2	US-09-704-139-2	Sequence 2, Appli	665	5	17.2	208	2	US-08-467-344A-14	Sequence 14, Appli
593	5	17.2	176	2	US-09-361-096A-9	Sequence 9, Appli	666	5	17.2	208	2	US-08-467-344A-14	Sequence 14, Appli
594	5	17.2	177	2	US-09-252-991A-18104	Sequence 18104, A	667	5	17.2	208	2	US-08-424-550B-14	Sequence 14, Appli
595	5	17.2	177	2	US-09-673-763-2	Sequence 2, Appli	668	5	17.2	208	2	US-09-252-991A-28012	Sequence 28012, A
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597	5	17.2	179	2	US-09-107-532A-6595	Sequence 6595, Ap	670	5	17.2	209	2	US-09-134-000C-8266	Sequence 8266, Ap
598	5	17.2	180	2	US-09-270-767-44790	Sequence 44790, A	671	5	17.2	210	2	US-09-382-155-25	Sequence 25, Appli
599	5	17.2	180	2	US-09-902-540-10368	Sequence 10368, A	672	5	17.2	210	2	US-09-074-044A-25	Sequence 25, Appli
600	5	17.2	181	2	US-09-978-248A-12	Sequence 12, Appli	673	5	17.2	210	2	US-09-134-001C-4790	Sequence 4790, Ap
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603	5	17.2	183	2	US-09-710-279-2828	Sequence 2828, Ap	676	5	17.2	210	2	US-09-270-767-50547	Sequence 50547, A
604	5	17.2	184	2	US-09-921-144-20	Sequence 20, Appli	677	5	17.2	210	2	US-09-489-016-10603	Sequence 10603, A
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606	5	17.2	186	2	US-09-583-110-4511	Sequence 4511, Ap	679	5	17.2	212	2	US-08-861-774E-22	Sequence 22, Appli
607	5	17.2	186	2	US-09-769-787-105	Sequence 105, App	680	5	17.2	212	2	US-08-861-774E-34	Sequence 34, Appli
608	5	17.2	187	2	US-09-543-681A-4322	Sequence 4322, Ap	681	5	17.2	212	2	US-09-252-991A-18913	Sequence 18913, A
609	5	17.2	187	2	US-09-489-039A-13324	Sequence 13324, A	682	5	17.2	212	2	US-09-270-767-62103	Sequence 62103, A
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686	5	17.2	213	2	US-09-144-428-70	Sequence 70, Appl	759	5	17.2	244	2	US-09-134-000C-4795	Sequence 4795, Ap
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688	5	17.2	214	2	US-09-543-681A-7063	Sequence 7063, Ap	761	5	17.2	245	2	US-09-902-540-15189	Sequence 15189, A
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690	5	17.2	216	2	US-09-583-110-3072	Sequence 3072, Ap	763	5	17.2	249	1	US-08-602-359A-39	Sequence 39, Appl
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694	5	17.2	219	2	US-09-270-767-43010	Sequence 43010, A	767	5	17.2	252	1	US-08-974-196-7	Sequence 7, Appli
695	5	17.2	219	2	US-09-107-433-3664	Sequence 3664, Ap	768	5	17.2	252	1	US-08-685-992-32	Sequence 32, Appl
696	5	17.2	219	2	US-09-107-433-4200	Sequence 4200, Ap	769	5	17.2	252	1	US-09-144-925-32	Sequence 32, Appl
697	5	17.2	220	1	US-08-840-683-8	Sequence 8, Appli	770	5	17.2	252	2	US-09-071-709-10	Sequence 10, Appl
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699	5	17.2	220	2	US-10-165-800-4	Sequence 4, Appli	772	5	17.2	252	2	US-09-457-568-22	Sequence 22, Appl
700	5	17.2	221	2	US-09-978-309A-76	Sequence 76, Appl	773	5	17.2	252	2	US-09-457-646-22	Sequence 22, Appl
701	5	17.2	222	2	US-09-328-352-6979	Sequence 6979, Ap	774	5	17.2	252	2	US-08-902-572-28	Sequence 28, Appl
702	5	17.2	222	2	US-09-902-540-11306	Sequence 11306, A	775	5	17.2	252	2	US-09-516-065-22	Sequence 22, Appl
703	5	17.2	222	2	US-10-104-047-3044	Sequence 3044, Ap	776	5	17.2	252	2	US-09-827-948-2	Sequence 2, Appli
704	5	17.2	223	2	US-09-710-279-2924	Sequence 2924, Ap	777	5	17.2	252	2	US-09-144-428-49	Sequence 49, Appl
705	5	17.2	224	2	US-08-871-572B-9	Sequence 9, Appli	778	5	17.2	252	2	US-09-949-016-6993	Sequence 6993, Ap
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708	5	17.2	225	2	US-09-270-767-50192	Sequence 50192, A	781	5	17.2	253	2	US-09-270-767-43223	Sequence 43223, A
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710	5	17.2	225	2	US-09-144-428-71	Sequence 71, Appl	783	5	17.2	254	2	US-09-919-039-93	Sequence 93, Appl
711	5	17.2	225	2	US-09-583-110-3071	Sequence 3071, Ap	784	5	17.2	254	2	US-09-248-796A-16537	Sequence 16537, A
712	5	17.2	225	2	US-09-902-540-16802	Sequence 16802, A	785	5	17.2	254	2	US-09-902-540-15766	Sequence 15766, A
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ALIGNMENTS

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RESULT 1
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; Sequence 10895, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
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RESULT 2
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; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
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; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11210
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11210
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Query Match 31.0%; Score 9; DB 2; Length 335;
Best Local Similarity 100.0%; Pred. No. 0.18;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 RAAFLKLEN 9
| | | | |
Db 296 RAAFLKLEN 304
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RESULT 3
US-09-902-540-16607
; Sequence 16607, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 16607
; LENGTH: 84
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-16607
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Query Match 24.1%; Score 7; DB 2; Length 84;
Best Local Similarity 100.0%; Pred. No. 5.4;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 RAAFLK 7
| | | | |
Db 70 RAAFLK 76
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RESULT 4
US-09-498-520A-24
; Sequence 24, Application US/09498520A
; Patent No. 6613553
; GENERAL INFORMATION:
; APPLICANT: Rock, Charles O
; APPLICANT: Heath, Richard J
; TITLE OF INVENTION: No. 6613553el Enoyl Reductases and Methods of Use Thereof
; FILE REFERENCE: SJ-0022
; CURRENT APPLICATION NUMBER: US/09/498,520A
; CURRENT FILING DATE: 2000-02-04
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis rvl533
US-09-498-520A-24
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Query Match 24.1%; Score 7; DB 2; Length 375;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 RTRVAEL 19
| | | | |
DB 2 RTRVAEL 8

RESULT 5

US-10-272-490-66
; Sequence 66, Application US/10272490
; Patent No. 6943001
; GENERAL INFORMATION:
; APPLICANT: Zhao, Lishan
; APPLICANT: Mathur, Eric J.
; APPLICANT: Weiner, David
; APPLICANT: Richardson, Toby
; APPLICANT: Milan, Aileen
; APPLICANT: Burk, Mark J.
; APPLICANT: Han, Bin
; APPLICANT: Short, Jay M.
; TITLE OF INVENTION: EXPOXIDE HYDROLASES, NUCLEIC ACIDS ENCODING THEM AND METHODS
; FILE REFERENCE: 09010-831001
; CURRENT APPLICATION NUMBER: US/10/272,490
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 10/214,473
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: US 60/309,478
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/393,378
; PRIOR FILING DATE: 2002-07-03
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 66
; LENGTH: 401
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental source
US-10-272-490-66

Query Match 24.1%; Score 7; DB 2; Length 401;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 AELRKRV 23
| | | | |
DB 28 AELRKRV 34

RESULT 6

US-10-029-217A-20
; Sequence 20, Application US/10029217A
; Patent No. 6962798
; GENERAL INFORMATION:
; APPLICANT: OLSON, ERIC N.
; APPLICANT: WANG, DA-ZHI
; TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO A CARDIAC-SPECIFIC
; FILE REFERENCE: US/029-217A
; CURRENT APPLICATION NUMBER: US/10/029,217A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 60/257,761
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentih Ver. 2.1
; SEQ ID NO 20
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Mus musculus

US-10-029-217A-20

Query Match 20.7%; Score 6; DB 2; Length 35;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 AELRKRV 22
| | | | |
DB 11 AELRKRV 16

RESULT 7

US-09-107-532A-4130
; Sequence 4130, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Arinello, Pamela Deneka
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4130:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 86 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEetical: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...86
; SEQUENCE DESCRIPTION: SEQ ID NO: 4130:
US-09-107-532A-4130

Query Match 20.7%; Score 6; DB 2; Length 86;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 16 VAE LRK 21
| | | | |
DB 58 VAE LRK 63

RESULT 8

US-09-902-540-13617

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; Sequence 13617, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 13617
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-13617

Query Match      20.7%; Score 6; DB 2; Length 92;
Best Local Similarity 100.0%; Pred. No. 61;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10 TALRTR 15
      |||||
Db      51 TALRTR 56

RESULT 9
US-09-583-110-5144
; Sequence 5144, Application US/09583110
; Patent No. 669703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 5144
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-5144

Query Match      20.7%; Score 6; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 69;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 ENTALR 13
      |||||
Db      37 ENTALR 42

RESULT 10
US-09-107-433-5156
; Sequence 5156, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNO
;
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:

Query Match      20.7%; Score 6; DB 2; Length 141;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Sequence 13617, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 13617
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-13617

; ADDRESSSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5156:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 135 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEetical: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...135
; SEQUENCE DESCRIPTION: SEQ ID NO: 5156:
US-09-107-433-5156

Query Match      20.7%; Score 6; DB 2; Length 135;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 ENTALR 13
      |||||
Db      67 ENTALR 72

RESULT 11
US-09-489-039A-11896
; Sequence 11896, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 11896
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-11896

Query Match      20.7%; Score 6; DB 2; Length 141;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 12 LTRVA 17
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Db 4 LTRVA 9

RESULT 12

US-09-583-110-3869
; Sequence 3869, Application US/09583110
; Patent No. 669703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; FILE REFERENCE: Pneumoniae for Diagnostics and Therapeutics
; CURRENT APPLICATION NUMBER: US/09/583,110
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 3869
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-3869

Query Match 20.7%; Score 6; DB 2; Length 141;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 FLEKEN 9
|||||
Db 21 FLEKEN 26

RESULT 13

US-09-328-352-6345
; Sequence 6345, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 6345
; LENGTH: 142
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-6345

Query Match 20.7%; Score 6; DB 2; Length 142;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 AFLEKE 8
|||||
Db 14 AFLEKE 19

RESULT 14

US-09-303-518D-826
; Sequence 826, Application US/09303518D
; Patent No. 6914131
; GENERAL INFORMATION:
; APPLICANT: Scarlato, Vincenzo
; APPLICANT: Masignani, Vega

; APPLICANT: Rappuoli, Rino
; APPLICANT: Pizza, Mariagrazia
; APPLICANT: Grandi, Guido
; TITLE OF INVENTION: Neisserial Antigens
; FILE REFERENCE: CHIR0160
; CURRENT APPLICATION NUMBER: US/09/303,518D
; CURRENT FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 1098
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 826
; LENGTH: 149
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-09-303-518D-826

Query Match 20.7%; Score 6; DB 2; Length 149;
Best Local Similarity 100.0%; Pred. No. 94;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RAAFILE 6
|||||
Db 43 RAAFILE 48

RESULT 15

US-09-732-210-626
; Sequence 626, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mittanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 626
; LENGTH: 150
; TYPE: PRT
; ORGANISM: Thermus aquaticus (subsp. thermophilus)
US-09-732-210-626

Query Match 20.7%; Score 6; DB 2; Length 150;
Best Local Similarity 100.0%; Pred. No. 95;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 20 RKRVR 25
|||||
Db 16 RKRVR 21

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OM protein - protein search, using sw model

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Title: US-10-624-218-3

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SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	8	18.6	296	2	US-09-270-767-42478, A
2	7	16.3	192	2	US-09-489-039A-11444, A
3	7	16.3	217	2	US-09-252-991A-31594, A
4	7	16.3	323	2	US-09-270-767-42120, A
5	7	16.3	341	2	US-08-311-731A-35, Appl
6	7	16.3	477	2	US-09-252-991A-20516, A
7	7	16.3	484	2	US-09-949-016-8999, A
8	7	16.3	485	2	US-09-252-991A-24868, A
9	7	16.3	515	2	US-08-942-012B-24, Appl
10	7	16.3	532	1	US-08-285-440-5, Appl
11	7	16.3	532	1	US-08-630-349-5, Appl
12	7	16.3	538	2	US-09-949-016-6479, Ap
13	7	16.3	541	2	US-09-949-016-7217, Ap
14	7	16.3	558	1	US-08-285-440-6, Appl
15	7	16.3	558	1	US-08-630-349-6, Appl
16	7	16.3	793	2	US-09-538-092-1271, Ap
17	7	16.3	1069	2	US-09-902-540-11566, A
18	6	14.0	30	1	US-08-140-137A-41, Appl
19	6	14.0	31	1	US-08-614-935-60, Appl
20	6	14.0	31	2	US-09-130-287-60, Appl
21	6	14.0	32	1	US-08-140-137A-27, Appl
22	6	14.0	32	2	US-09-603-885-1, Appl
23	6	14.0	32	2	US-09-603-885-1, Appl
24	6	14.0	77	2	US-08-851-190-5, Appl
25	6	14.0	77	2	US-09-403-861A-12, Appl
26	6	14.0	92	2	US-09-198-452A-1170, Ap
27	6	14.0	97	2	US-09-690-454-211, Appl

Sequence 124, App
Sequence 1538, Ap
Sequence 124, App
Sequence 2, Appli
Sequence 7298, Ap
Sequence 5, Appli
Sequence 5, Appli
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Sequence 6, Appli
Sequence 10119, A
Sequence 2, Appli
Sequence 18633, A
Sequence 12708, A
Sequence 40847, A
Sequence 50663, A
Sequence 13724, A
Sequence 222, App
Sequence 13145, Ap
Sequence 3156, Ap
Sequence 24377, A
Sequence 56953, A
Sequence 15826, Ap
Sequence 12836, A
Sequence 6781, Ap
Sequence 41709, A
Sequence 320, App
Sequence 26599, A
Sequence 23908, A
Sequence 22175, A
Sequence 19241, A
Sequence 13291, A
Sequence 18951, A
Sequence 13039, A
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Sequence 6070, Ap
Sequence 21191, A
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Sequence 24950, A
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Sequence 24, Appl
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Sequence 20824, A
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Sequence 16333, A
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Sequence 13239, A
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Sequence 31704, A
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Sequence 101, App
Sequence 948, App
Sequence 7393, Ap
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Sequence 31314, A
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Sequence 23182, A
Sequence 33021, A
Sequence 23518, A
Sequence 19787, A

101	6	14.0	529	2	US-09-252-991A-18830	Sequence 18830, A	174	5	11.6	24	2	US-09-100-409A-44	Sequence 44, Appl
102	6	14.0	536	1	US-08-890-094-2	Sequence 2, Appli	175	5	11.6	24	2	US-09-747-802-15	Sequence 15, Appl
103	6	14.0	536	1	US-08-890-094-18	Sequence 18, Appl	176	5	11.6	24	2	US-09-701-623C-67	Sequence 67, Appl
104	6	14.0	560	2	US-09-252-991A-25999	Sequence 25999, A	177	5	11.6	24	2	US-09-865-294A-7	Sequence 7, Appli
105	6	14.0	563	2	US-09-252-991A-26415	Sequence 26415, A	178	5	11.6	24	4	PCT-US95-13841-11	Sequence 11, Appl
106	6	14.0	590	1	US-08-448-196A-9	Sequence 9, Appli	179	5	11.6	26	1	US-08-660-789-5	Sequence 5, Appli
107	6	14.0	590	2	US-09-949-016-11686	Sequence 11686, A	180	5	11.6	26	1	US-09-074-114-5	Sequence 5, Appli
108	6	14.0	617	2	US-09-252-991A-21113	Sequence 21113, A	181	5	11.6	27	2	US-08-737-629-2	Sequence 2, Appli
109	6	14.0	620	2	US-09-252-991A-17301	Sequence 17301, A	182	5	11.6	29	1	US-08-609-049A-32	Sequence 32, Appl
110	6	14.0	627	2	US-09-489-039A-12782	Sequence 12782, A	183	5	11.6	29	2	US-09-370-996-32	Sequence 32, Appl
111	6	14.0	647	2	US-09-248-796A-26574	Sequence 26574, A	184	5	11.6	30	1	US-08-525-505A-5	Sequence 5, Appli
112	6	14.0	690	2	US-09-252-991A-26850	Sequence 26850, A	185	5	11.6	30	1	US-08-525-505A-6	Sequence 6, Appli
113	6	14.0	724	2	US-08-914-999-4	Sequence 4, Appli	186	5	11.6	32	2	US-09-625-972-34	Sequence 34, Appl
114	6	14.0	730	2	US-09-398-865A-2	Sequence 2, Appli	187	5	11.6	32	2	US-09-603-885-3	Sequence 3, Appli
115	6	14.0	730	2	US-09-710-714-2	Sequence 2, Appli	188	5	11.6	32	2	US-09-603-885-3	Sequence 3, Appli
116	6	14.0	733	2	US-09-073-587-3	Sequence 3, Appli	189	5	11.6	34	1	US-08-446-692-16	Sequence 16, Appl
117	6	14.0	738	2	US-09-543-681A-7528	Sequence 7528, Ap	190	5	11.6	34	1	US-08-488-351A-16	Sequence 16, Appl
118	6	14.0	772	2	US-09-252-991A-31855	Sequence 31855, A	191	5	11.6	35	1	US-08-140-137A-45	Sequence 45, Appl
119	6	14.0	774	2	US-09-252-991A-24623	Sequence 24623, A	192	5	11.6	35	1	US-08-140-137A-47	Sequence 47, Appl
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121	6	14.0	817	2	US-09-949-016-7491	Sequence 7491, Ap	194	5	11.6	43	2	US-08-393-889-1	Sequence 1, Appli
122	6	14.0	866	2	US-10-197-220-103	Sequence 113, App	195	5	11.6	43	2	US-09-119-900-1	Sequence 1, Appli
123	6	14.0	867	2	US-10-197-220-109	Sequence 119, App	196	5	11.6	43	2	US-08-472-630-1	Sequence 1, Appli
124	6	14.0	872	2	US-09-198-452A-163	Sequence 163, App	197	5	11.6	43	2	US-10-318-675-105	Sequence 105, App
125	6	14.0	873	2	US-09-438-185A-146	Sequence 146, App	198	5	11.6	43	4	PCT-US94-09450-1	Sequence 1, Appli
126	6	14.0	920	2	US-09-248-796A-17529	Sequence 17529, A	199	5	11.6	44	1	US-08-446-692-56	Sequence 56, Appl
127	6	14.0	978	1	US-08-415-593-43	Sequence 43, Appl	200	5	11.6	44	1	US-08-446-692-62	Sequence 62, Appl
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129	6	14.0	1149	2	US-09-543-681A-7306	Sequence 7306, Ap	202	5	11.6	44	1	US-08-140-137A-49	Sequence 49, Appl
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136	5	11.6	7	4	PCT-US94-03796-11	Sequence 11, Appl	209	5	11.6	51	2	US-09-513-999C-6874	Sequence 6874, Ap
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138	5	11.6	9	1	US-08-140-137A-9	Sequence 9, Appli	211	5	11.6	52	4	PCT-US95-06451-2	Sequence 2, Appli
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143	5	11.6	16	1	US-08-140-137A-39	Sequence 39, Appl	216	5	11.6	56	2	US-09-513-999C-6295	Sequence 6295, Ap
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145	5	11.6	18	1	US-08-140-137A-22	Sequence 22, Appl	218	5	11.6	59	2	US-08-776-971-20	Sequence 20, Appl
146	5	11.6	18	1	US-08-140-137A-25	Sequence 25, Appl	219	5	11.6	59	2	US-09-461-436B-25	Sequence 25, Appl
147	5	11.6	18	2	US-08-940-095-208	Sequence 208, App	220	5	11.6	59	2	US-09-576-290-20	Sequence 20, Appl
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154	5	11.6	18	2	US-09-453-841-208	Sequence 208, App	227	5	11.6	63	2	US-09-732-210-320	Sequence 320, App
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164	5	11.6	21	2	US-10-729-121-49	Sequence 49, Appl	237	5	11.6	68	2	US-09-673-395A-419	Sequence 419, App
165	5	11.6	22	1	US-08-140-137A-20	Sequence 20, Appl	238	5	11.6	68	2	US-09-576-290-128	Sequence 128, App
166	5	11.6	22	1	US-08-140-137A-24	Sequence 24, Appl	239	5	11.6	68	2	US-09-716-147-128	Sequence 128, App
167	5	11.6	22	1	US-08-140-137A-34	Sequence 34, Appl	240	5	11.6	70	2	US-09-513-999C-5535	Sequence 5535, Ap
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272	5	11.6	83	2	US-09-621-976-6522	Sequence 6522, Ap	345	5	11.6	115	2	US-09-992-598-227	Sequence 227, App
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284	5	11.6	88	2	US-08-497-214D-38	Sequence 38, Appl	357	5	11.6	124	2	US-09-134-000C-4005	Sequence 4005, Ap
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288	5	11.6	89	2	US-08-346-147B-37	Sequence 37, Appl	361	5	11.6	126	2	US-08-776-971-23	Sequence 23, Appl
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299	5	11.6	100	2	US-09-732-210-1168	Sequence 1168, Ap	372	5	11.6	127	2	US-09-621-976-4588	Sequence 4588, Ap
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310	5	11.6	105	1	US-08-474-177-14	Sequence 14, Appl	383	5	11.6	130	2	US-09-485-316A-13	Sequence 13, Appl
311	5	11.6	105	1	US-08-487-033-14	Sequence 14, Appl	384	5	11.6	130	2	US-09-134-000C-3765	Sequence 3765, Ap
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313	5	11.6	105	1	US-08-508-735-14	Sequence 14, Appl	386	5	11.6	130	2	US-10-060-845-13	Sequence 13, Appl
314	5	11.6	105	1	US-08-848-251-14	Sequence 14, Appl	387	5	11.6	130	4	PCT-US95-04636-8	Sequence 8, Appl
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316	5	11.6	105	2	US-09-120-130-14	Sequence 14, Appl	389	5	11.6	131	2	US-10-622-064-18	Sequence 18, Appl
317	5	11.6	105	2	US-09-115-252-14	Sequence 14, Appl	390	5	11.6	132	2	US-09-134-001C-5049	Sequence 5049, Ap
318	5	11.6	105	2	US-08-986-515-14	Sequence 14, Appl	391	5	11.6	132	2	US-09-732-210-1655	Sequence 1655, Ap
319	5	11.6	105	2	US-09-120-128-14	Sequence 14, Appl	392	5	11.6	132	2	US-09-513-999C-4172	Sequence 4172, Ap

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394	5	11.6	135	2	US-09-615-192A-287	Sequence 287, App	467	5	11.6	156	1	US-08-627-610-2	Sequence 2, Appli
395	5	11.6	135	2	US-09-107-433-5156	Sequence 5156, Ap	468	5	11.6	156	1	US-08-306-511A-2	Sequence 2, Appli
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397	5	11.6	136	4	PCT-US96-05252-6	Sequence 6, Appli	470	5	11.6	156	1	US-08-848-251-2	Sequence 2, Appli
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986 5 11.6 306 2 US-09-987-107-9 Sequence 9, Appl
987 5 11.6 306 2 US-09-987-107-10 Sequence 10, Appl
988 5 11.6 306 2 US-09-987-107-11 Sequence 11, Appl
989 5 11.6 307 2 US-09-270-767-44579 Sequence 44579, A
990 5 11.6 308 2 US-09-328-352-6112 Sequence 6112, Ap
991 5 11.6 309 2 US-09-489-039A-10229 Sequence 10229, A
992 5 11.6 309 2 US-10-154-515A-31 Sequence 31, Appl
993 5 11.6 309 2 US-10-122-706-31 Sequence 31, Appl
994 5 11.6 310 1 US-08-484-956-88 Sequence 88, Appl
995 5 11.6 310 1 US-08-757-653-88 Sequence 88, Appl
996 5 11.6 310 2 US-08-520-946-88 Sequence 88, Appl
997 5 11.6 310 2 US-09-655-378A-88 Sequence 88, Appl
998 5 11.6 311 2 US-09-222-939-8 Sequence 8, Appl
999 5 11.6 311 2 US-09-328-352-4789 Sequence 4789, Ap
1000 5 11.6 311 2 US-10-023-528-8 Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-09-270-767-42478
; Sequence 42478, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 42478
; LENGTH: 296
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-42478
Query Match 18.6%; Score 8; DB 2; Length 296;
Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 15 LETRVAEL 22
| | | | |
Db 91 LETRVAEL 98

RESULT 2
US-09-489-039A-11444
; Sequence 11444, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 11444
; LENGTH: 192
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-11444
Query Match 16.3%; Score 7; DB 2; Length 192;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 20 AELRQRV 26
| | | | |
Db 158 AELRQRV 164

RESULT 3
US-09-252-991A-31594
; Sequence 31594, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 31594
; LENGTH: 217
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31594
Query Match 16.3%; Score 7; DB 2; Length 217;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 23 RQRVQRL 29
| | | | |
Db 91 RQRVQRL 97

RESULT 4
US-09-270-767-42120
; Sequence 42120, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 42120
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-42120
Query Match 16.3%; Score 7; DB 2; Length 323;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 AAFLERE 11
| | | | |
Db 182 AAFLERE 188

RESULT 5
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US-08-311-731A-35
: Sequence 35, Application US/08311731A

Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210

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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A

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Query Match      16.3%; Score 7; DB 2; Length 341;
Best Local Similarity 100.0%; Pred. No. 17;
Matches         7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 6
US-09-252-991A-20516
; Sequence 20516, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 20516
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa

```

US-09-252-991A-20516

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Query Match      16.3%  Score 7;  DB 2;  Length 477;
Best Local Similarity 100.0%;  Pred. No. 24;
Matches 7;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy      24  QRVRLR 30
Db      197 QRVRLR 203

```

```

RESULT 7
US-09-949-016-8999
; Sequence 8999, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CU001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8999
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8999

```

```

Query Match      16.3%; Score 7; DB 2; Length 484;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      4 EAAFLR 10
         |||||
Db      96 EAAFLR 102

```

```

RESULT 8
US-09-252-991A-24868
; Sequence 24868, Application US/09252991A
; Patent NO. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24868
; LENGTH: 485
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24868

```

```

Query Match      16.3%; Score 7; DB 2; Length 485;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 EIEAAFL 8
      |||||

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Db 428 EIAAFL 434

RESULT 9

US-08-942-012B-24
; Sequence 24, Application US/08942012B
; Patent No. 6235278
; GENERAL INFORMATION:
; APPLICANT: Miller, Lois K.
; APPLICANT: Lu, Albert
; APPLICANT: Dierks, Peter
; APPLICANT: Black, Bruce
; TITLE OF INVENTION: Biological Insect Control Agents Expressing
; TITLE OF INVENTION: Insect-Specific Toxin Genes, Methods and Compositions
; FILE REFERENCE: 28-96a
; CURRENT APPLICATION NUMBER: US/08/942,012B
; CURRENT FILING DATE: 1997-10-01
; PRIOR APPLICATION NUMBER: 08/729,606
; PRIOR FILING DATE: 2000-10-01
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 24
; LENGTH: 515
; TYPE: PRT
; ORGANISM: Helicoverpa zea nuclear polyhedrosis virus
US-08-942-012B-24

Query Match 16.3%; Score 7; DB 2; Length 515;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 21 ELRQRVQ 27

Db 237 ELRQRVQ 243

RESULT 10

US-08-285-440-5
; Sequence 5, Application US/08285440
; Patent No. 5532337
; GENERAL INFORMATION:
; APPLICANT: Ken'ichiro HAYASHI et al.
; TITLE OF INVENTION: POLYPEPTIDE
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: DisplayWrite
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/285,440
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/858,947
; FILING DATE: March 27, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 532 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL:
; ANTI-SENSE:
; FRAGMENT TYPE:
; ORIGINAL SOURCE:
; ORGANISM:
; STRAIN:
; INDIVIDUAL ISOLATE:
; DEVELOPMENTAL STAGE:
; HAPLOTYPE:
; TISSUE TYPE:
; CELL TYPE:
; CELL LINE:
; ORGANELLE:
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE:
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT:
; MAP POSITION:
; UNITS:
; FEATURE:
; NAME/KEY:
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; PUBLICATION INFORMATION:
; AUTHORS:
; TITLE:
; JOURNAL:
; VOLUME:
; ISSUES:
; PAGES:
; DATE:
; DOCUMENT NUMBER:
; FILING DATE:
; PUBLICATION DATE:
; RELEVANT RESIDUES IN SEQ ID NO:
US-08-285-440-5
Query Match 16.3%; Score 7; DB 1; Length 532;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 4 EAAFLER 10
Db 87 EAAFLER 93
RESULT 11
US-08-630-349-5
; Sequence 5, Application US/08630349
; Patent No. 5739008
; GENERAL INFORMATION:
; APPLICANT: Ken'ichiro HAYASHI et al.
; TITLE OF INVENTION: POLYPEPTIDE
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 144 mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/630,349
;; FILING DATE: April 10, 1996
;; CLASSIFICATION: 435
;; PRIOR APPLICATION NUMBER: 08/285,440
;; FILING DATE: August 4, 1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/858,947
;; FILING DATE: March 27, 1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Warren M. Cheek, Jr.
;; REGISTRATION NUMBER: 33,367
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 532 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
US-08-630-349-5

Query Match 16.3%; Score 7; DB 1; Length 532;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 EAAFLER 10
|||||
Db 87 EAAFLER 93

RESULT 12
US-09-949-016-6479
;; Sequence 6479, Application US/09949016
;; Patent No. 6812339
;; GENERAL INFORMATION:
;; APPLICANT: VENTER, J. Craig et al.
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 6479
;; LENGTH: 538
;; TYPE: PRT
;; ORGANISM: Human
US-09-949-016-6479

Query Match 16.3%; Score 7; DB 2; Length 538;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 EAAFLER 10
|||||
Db 93 EAAFLER 99

RESULT 13
US-09-949-016-7217
;; Sequence 7217, Application US/09949016
;; Patent No. 6812339
;; GENERAL INFORMATION:
;; APPLICANT: VENTER, J. Craig et al.
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 7217
;; LENGTH: 541
;; TYPE: PRT
;; ORGANISM: Human
US-09-949-016-7217

Query Match 16.3%; Score 7; DB 2; Length 541;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 EAAFLER 10
|||||
Db 96 EAAFLER 102

RESULT 14
US-08-285-440-6
;; Sequence 6, Application US/08285440
;; Patent No. 5532337
;; GENERAL INFORMATION:
;; APPLICANT: Ken'ichiro HAYASHI et al.
;; TITLE OF INVENTION: POLYPEPTIDE
;; NUMBER OF SEQUENCES: 32
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Wenderoth, Lind & Ponack
;; STREET: 805 Fifteenth Street, N.W., #700
;; CITY: Washington
;; STATE: D.C.
;; COUNTRY: U.S.A.
;; ZIP: 20005
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: MS-DOS
;; SOFTWARE: DisplayWrite
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/285,440
;; FILING DATE:
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/858,947
;; FILING DATE: March 27, 1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Warren M. Cheek, Jr.
;; REGISTRATION NUMBER: 33,367
;; REFERENCE/DOCKET NUMBER:
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-371-8850
;; TELEFAX:
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 6:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 558 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; HYPOTHETICAL:
;; ANTI-SENSE:
;; FRAGMENT TYPE:
;; ORIGINAL SOURCE:
;; ORGANISM:

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; STRAIN:
; INDIVIDUAL ISOLATE:
; DEVELOPMENTAL STAGE:
; HAPLOTYPE:
; TISSUE TYPE:
; CELL TYPE:
; CELL LINE:
; ORGANELLE:
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE:
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT:
; MAP POSITION:
; UNITS:
; FEATURE:
; NAME/KEY:
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; PUBLICATION INFORMATION:
; AUTHORS:
; TITLE:
; JOURNAL:
; VOLUME:
; ISSUE:
; PAGES:
; DATE:
; DOCUMENT NUMBER:
; FILING DATE:
; PUBLICATION DATE:
; RELEVANT RESIDUES IN SEQ ID NO:
US-08-285-440-6

Query Match      16.3%; Score 7; DB 1; Length 558;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      4 EAAFLER 10
        |||||
Db      87 EAAFLER 93
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RESULT 15
US-08-630-349-6
; Sequence 6, Application US/08630349
; Patent No. 5739008
; GENERAL INFORMATION:
; APPLICANT: Ken'ichiro HAYASHI et al.
; TITLE OF INVENTION: POLYPEPTIDE
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 144 mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/630,349
; FILING DATE: April 10, 1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/285,440
; FILING DATE: August 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/858,947
; FILING DATE: March 27, 1992
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; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 558 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-630-349-6

Query Match      16.3%; Score 7; DB 1; Length 558;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Qy      4 EAAFLER 10
        |||||
Db      87 EAAFLER 93
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OM protein - protein search, using sw model

Run on: December 5, 2005, 18:41:26 ; Search time 22.9931 Seconds
(without alignments)
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Title: US-10-624-218-4

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- 3: /cgn2_6/ptodata/1/iaa/H-COMB.pep.*
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- 6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	9	20.9	96	2	US-09-621-976-7606
3	7	16.3	89	1	US-08-690-011A-52
4	7	16.3	89	2	US-09-299-495F-64
5	7	16.3	425	2	US-09-489-039A-11016
6	6	14.0	31	2	US-09-570-337B-2
7	6	14.0	31	2	US-09-570-337B-3
8	6	14.0	31	2	US-09-570-337B-4
9	6	14.0	42	1	US-07-752-101A-8
10	6	14.0	66	2	US-09-227-357-654
11	6	14.0	66	2	US-09-973-278-372
12	6	14.0	67	2	US-09-248-796A-22740
13	6	14.0	84	2	US-09-543-681A-4424
14	6	14.0	87	1	US-08-062-472B-10
15	6	14.0	91	2	US-09-543-681A-4345
16	6	14.0	141	2	US-09-286-981B-2
17	6	14.0	141	2	US-10-254-995-2
18	6	14.0	148	2	US-09-902-540-13147
19	6	14.0	150	2	US-09-270-767-59622
20	6	14.0	155	2	US-09-543-681A-5102
21	6	14.0	160	2	US-09-949-016-10973
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24	6	14.0	185	1	US-08-933-750C-2
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26	6	14.0	185	2	US-09-234-613-2
27	6	14.0	185	2	US-09-359-967-1
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29	6	14.0	195	1	US-07-752-101A-68
30	6	14.0	197	1	US-08-432-871C-49
31	6	14.0	197	2	US-09-270-956-49
32	6	14.0	198	2	US-09-107-433-4068
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45	6	14.0	307	2	US-09-636-596C-9
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47	6	14.0	307	2	US-10-306-686-9
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53	6	14.0	345	2	US-09-489-039A-8643
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93	6	14.0	689	2	US-09-949-016-11692
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98	6	14.0	752	2	US-09-295-028-61
99	6	14.0	752	2	US-09-106-582-61
100	6	14.0	752	2	US-09-159-469-61

101	6	14.0	752	2	US-09-693-542-61	Sequence 61, Appl	174	5	11.6	29	2	US-09-270-767-36443	Sequence 36443, A
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103	6	14.0	759	2	US-10-258-860-6	Sequence 6, Appl	176	5	11.6	30	1	US-08-287-537B-7	Sequence 7, Appl
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105	6	14.0	768	1	US-08-408-519-2	Sequence 2, Appl	178	5	11.6	30	4	PCT-US94-10936-7	Sequence 7, Appl
106	6	14.0	768	4	PCT-US95-03552-2	Sequence 2, Appl	179	5	11.6	30	4	PCT-US94-10936-8	Sequence 8, Appl
107	6	14.0	785	2	US-10-258-860-4	Sequence 4, Appl	180	5	11.6	31	2	US-08-390-353A-4	Sequence 4, Appl
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110	6	14.0	864	2	US-08-714-741-40	Sequence 40, Appl	183	5	11.6	31	2	US-09-359-921-25	Sequence 25, Appl
111	6	14.0	983	2	US-09-252-991A-32868	Sequence 32868, A	184	5	11.6	31	2	US-09-360-344-24	Sequence 24, Appl
112	6	14.0	1031	2	US-09-949-016-7849	Sequence 7849, Ap	185	5	11.6	31	2	US-09-360-344-25	Sequence 25, Appl
113	6	14.0	1033	2	US-09-252-991A-21000	Sequence 21000, A	186	5	11.6	31	2	US-09-973-278-178	Sequence 178, App
114	6	14.0	1201	2	US-09-328-352-5890	Sequence 5890, Ap	187	5	11.6	32	2	US-09-091-814-80	Sequence 80, Appl
115	6	14.0	1231	2	US-08-714-741-41	Sequence 41, Appl	188	5	11.6	32	2	US-09-227-357-181	Sequence 181, App
116	6	14.0	1289	1	US-08-853-659A-51	Sequence 51, Appl	189	5	11.6	32	2	US-09-079-030-141	Sequence 141, App
117	6	14.0	1805	1	US-07-853-913-2	Sequence 2, Appl	190	5	11.6	32	2	US-09-491-614B-3	Sequence 3, Appl
118	6	14.0	1858	2	US-09-902-540-12643	Sequence 12643, A	191	5	11.6	32	2	US-09-603-885-3	Sequence 3, Appl
119	6	14.0	3878	2	US-09-914-259-11	Sequence 11, Appl	192	5	11.6	32	2	US-09-603-885-3	Sequence 3, Appl
120	6	14.0	5024	2	US-09-710-279-2964	Sequence 2964, Ap	193	5	11.6	33	1	US-08-430-633-7	Sequence 7, Appl
121	6	14.0	5588	2	US-08-036-987A-6	Sequence 6, Appl	194	5	11.6	33	1	US-08-936-854-7	Sequence 7, Appl
122	6	14.0	5588	2	US-09-370-700-6	Sequence 6, Appl	195	5	11.6	33	1	US-08-690-011A-38	Sequence 38, Appl
123	6	14.0	5588	2	US-09-603-207-6	Sequence 6, Appl	196	5	11.6	33	2	US-09-058-459-23	Sequence 23, Appl
124	6	14.0	10182	2	US-09-134-001C-3159	Sequence 3159, Ap	197	5	11.6	33	2	US-09-058-459-24	Sequence 24, Appl
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126	5	11.6	14	1	US-08-955-138-105	Sequence 105, App	199	5	11.6	33	2	US-09-058-459-27	Sequence 27, Appl
127	5	11.6	15	1	US-08-400-796-14	Sequence 14, Appl	200	5	11.6	33	2	US-09-058-459-28	Sequence 28, Appl
128	5	11.6	17	1	US-08-248-839C-144	Sequence 144, App	201	5	11.6	33	2	US-09-058-459-29	Sequence 29, Appl
129	5	11.6	19	1	US-08-690-011A-36	Sequence 36, Appl	202	5	11.6	33	2	US-09-082-279B-96	Sequence 96, Appl
130	5	11.6	19	2	US-09-299-495F-36	Sequence 36, Appl	203	5	11.6	33	2	US-09-127-926-23	Sequence 23, Appl
131	5	11.6	20	2	US-09-149-476-409	Sequence 409, App	204	5	11.6	33	2	US-09-127-926-24	Sequence 24, Appl
132	5	11.6	21	1	US-08-530-792D-19	Sequence 19, Appl	205	5	11.6	33	2	US-09-127-926-26	Sequence 26, Appl
133	5	11.6	22	1	US-08-383-753-4	Sequence 4, Appl	206	5	11.6	33	2	US-09-127-926-27	Sequence 27, Appl
134	5	11.6	22	1	US-08-586-772-4	Sequence 4, Appl	207	5	11.6	33	2	US-09-127-926-28	Sequence 28, Appl
135	5	11.6	22	1	US-08-959-512-4	Sequence 4, Appl	208	5	11.6	33	2	US-09-127-926-29	Sequence 29, Appl
136	5	11.6	22	2	US-08-512-983-4	Sequence 4, Appl	209	5	11.6	33	2	US-09-425-585-13	Sequence 13, Appl
137	5	11.6	23	1	US-08-056-200-57	Sequence 57, Appl	210	5	11.6	33	2	US-09-315-304B-96	Sequence 96, Appl
138	5	11.6	23	1	US-08-800-644-57	Sequence 57, Appl	211	5	11.6	33	2	US-09-299-495F-38	Sequence 38, Appl
139	5	11.6	23	2	US-08-438-185A-578	Sequence 578, App	212	5	11.6	33	2	US-09-796-202-6	Sequence 6, Appl
140	5	11.6	24	1	US-08-690-011A-1	Sequence 1, Appl	213	5	11.6	33	2	US-09-834-784-96	Sequence 96, Appl
141	5	11.6	24	2	US-09-299-495F-1	Sequence 1, Appl	214	5	11.6	33	2	US-09-953-321-13	Sequence 13, Appl
142	5	11.6	24	2	US-08-491-614B-29	Sequence 29, Appl	215	5	11.6	33	2	US-09-515-965A-96	Sequence 96, Appl
143	5	11.6	25	1	US-08-690-011A-2	Sequence 2, Appl	216	5	11.6	33	2	US-09-350-641C-96	Sequence 96, Appl
144	5	11.6	25	2	US-09-299-495F-2	Sequence 2, Appl	217	5	11.6	33	2	US-09-714-357-23	Sequence 23, Appl
145	5	11.6	25	2	US-08-079-030-128	Sequence 128, App	218	5	11.6	33	2	US-09-714-357-24	Sequence 24, Appl
146	5	11.6	25	2	US-09-270-767-59237	Sequence 59237, A	219	5	11.6	33	2	US-09-714-357-26	Sequence 26, Appl
147	5	11.6	26	1	US-08-690-011A-3	Sequence 3, Appl	220	5	11.6	33	2	US-09-714-357-27	Sequence 27, Appl
148	5	11.6	26	1	US-08-690-011A-37	Sequence 37, Appl	221	5	11.6	33	2	US-09-714-357-28	Sequence 28, Appl
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151	5	11.6	26	2	US-08-403-861A-8	Sequence 8, Appl	224	5	11.6	33	2	US-10-057-552-23	Sequence 23, Appl
152	5	11.6	27	1	US-07-684-965-9	Sequence 9, Appl	225	5	11.6	33	2	US-10-057-552-24	Sequence 24, Appl
153	5	11.6	27	2	US-08-737-629-5	Sequence 5, Appl	226	5	11.6	33	2	US-10-057-552-26	Sequence 26, Appl
154	5	11.6	27	2	US-09-252-658-9	Sequence 9, Appl	227	5	11.6	33	2	US-10-057-552-27	Sequence 27, Appl
155	5	11.6	27	2	US-09-902-540-11089	Sequence 11089, A	228	5	11.6	33	2	US-10-057-552-28	Sequence 28, Appl
156	5	11.6	28	2	US-08-486-099-84	Sequence 84, Appl	229	5	11.6	33	2	US-10-057-552-29	Sequence 29, Appl
157	5	11.6	28	2	US-08-360-107A-94	Sequence 94, Appl	230	5	11.6	33	2	US-09-827-960-23	Sequence 23, Appl
158	5	11.6	28	2	US-08-484-223B-84	Sequence 84, Appl	231	5	11.6	33	2	US-09-827-960-24	Sequence 24, Appl
159	5	11.6	28	2	US-08-919-597-84	Sequence 84, Appl	232	5	11.6	33	2	US-09-827-960-26	Sequence 26, Appl
160	5	11.6	28	2	US-08-475-668A-84	Sequence 84, Appl	233	5	11.6	33	2	US-09-827-960-27	Sequence 27, Appl
161	5	11.6	28	2	US-08-485-551A-84	Sequence 84, Appl	234	5	11.6	33	2	US-09-827-960-28	Sequence 28, Appl
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163	5	11.6	28	2	US-08-485-264A-84	Sequence 84, Appl	236	5	11.6	33	2	US-09-837-886-23	Sequence 23, Appl
164	5	11.6	28	2	US-08-474-349A-84	Sequence 84, Appl	237	5	11.6	33	2	US-09-837-886-24	Sequence 24, Appl
165	5	11.6	28	2	US-08-255-208A-20	Sequence 20, Appl	238	5	11.6	33	2	US-09-837-886-26	Sequence 26, Appl
166	5	11.6	28	2	US-08-470-896-84	Sequence 84, Appl	239	5	11.6	33	2	US-09-837-886-27	Sequence 27, Appl
167	5	11.6	28	2	US-09-914-259-1	Sequence 1, Appl	240	5	11.6	33	2	US-09-837-886-28	Sequence 28, Appl
168	5	11.6	28	2	US-08-485-546A-84	Sequence 84, Appl	241	5	11.6	33	2	US-09-837-886-29	Sequence 29, Appl
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171	5	11.6	28	2	US-09-350-841A-1573	Sequence 1573, Ap	244	5	11.6	33	2	US-10-323-314-6	Sequence 6, Appl
172	5	11.6	28	2	US-08-487-266A-84	Sequence 84, Appl	245	5	11.6	33	2	US-09-812-034-23	Sequence 23, Appl
173	5	11.6	28	2	US-08-484-741-84	Sequence 84, Appl	246	5	11.6	33	2	US-09-812-034-24	Sequence 24, Appl

247	5	11.6	33	2	US-09-812-034-26	Sequence 26, Appl	320	5	11.6	62	2	US-09-513-999C-6203	Sequence 6203, Ap
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250	5	11.6	33	2	US-09-812-034-29	Sequence 29, Appl	323	5	11.6	63	2	US-09-248-796A-23558	Sequence 23558, A
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252	5	11.6	34	1	US-08-690-011A-54	Sequence 54, Appl	325	5	11.6	64	1	US-08-203-676-22	Sequence 22, Appl
253	5	11.6	34	1	US-08-690-011A-57	Sequence 57, Appl	326	5	11.6	64	1	US-08-822-238-22	Sequence 22, Appl
254	5	11.6	34	2	US-09-082-279B-27	Sequence 27, Appl	327	5	11.6	67	2	US-09-489-039A-7809	Sequence 7809, Ap
255	5	11.6	34	2	US-09-315-304B-27	Sequence 27, Appl	328	5	11.6	67	2	US-09-640-211A-928	Sequence 928, App
256	5	11.6	34	2	US-09-299-495F-53	Sequence 53, Appl	329	5	11.6	68	2	US-09-270-767-38692	Sequence 38692, A
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258	5	11.6	34	2	US-09-299-495F-57	Sequence 57, Appl	331	5	11.6	69	2	US-09-543-681A-6269	Sequence 6269, Ap
259	5	11.6	34	2	US-09-834-784-27	Sequence 27, Appl	332	5	11.6	70	2	US-08-390-353A-3	Sequence 3, Appl
260	5	11.6	34	2	US-09-515-965A-27	Sequence 27, Appl	333	5	11.6	71	2	US-09-101-059-3	Sequence 3, Appl
261	5	11.6	34	2	US-09-350-641C-27	Sequence 27, Appl	334	5	11.6	71	2	US-09-101-059-3	Sequence 3, Appl
262	5	11.6	34	2	US-09-350-841A-27	Sequence 27, Appl	335	5	11.6	74	2	US-09-490-291-11	Sequence 11, Appl
263	5	11.6	34	2	US-09-491-614B-27	Sequence 27, Appl	336	5	11.6	74	2	US-08-301-162-6	Sequence 6, Appl
264	5	11.6	35	1	US-08-792-553-17	Sequence 17, Appl	337	5	11.6	75	2	US-08-461-240-6	Sequence 6, Appl
265	5	11.6	35	2	US-09-314-268-94	Sequence 94, Appl	338	5	11.6	75	2	US-09-968-927B-17	Sequence 17, Appl
266	5	11.6	35	2	US-08-594-575C-17	Sequence 17, Appl	339	5	11.6	76	2	US-08-956-307B-17	Sequence 17, Appl
267	5	11.6	36	2	US-09-097-309-3	Sequence 3, Appl	340	5	11.6	77	1	US-07-940-861-5	Sequence 5, Appl
268	5	11.6	36	2	US-09-097-171A-3	Sequence 3, Appl	341	5	11.6	77	1	US-08-459-512-5	Sequence 5, Appl
269	5	11.6	36	2	US-09-082-279B-26	Sequence 26, Appl	342	5	11.6	77	1	US-08-459-657-5	Sequence 5, Appl
270	5	11.6	36	2	US-09-460-587-3	Sequence 3, Appl	343	5	11.6	77	1	US-08-460-132-5	Sequence 5, Appl
271	5	11.6	36	2	US-09-315-304B-26	Sequence 26, Appl	344	5	11.6	77	2	US-09-489-039A-11517	Sequence 11517, A
272	5	11.6	36	2	US-09-834-784-26	Sequence 26, Appl	345	5	11.6	77	2	US-09-513-999C-4936	Sequence 4936, Ap
273	5	11.6	36	2	US-09-515-965A-26	Sequence 26, Appl	346	5	11.6	77	4	PCT-US92-02050-5	Sequence 5, Appl
274	5	11.6	36	2	US-09-350-641C-26	Sequence 26, Appl	347	5	11.6	78	2	US-09-252-991A-31747	Sequence 31747, A
275	5	11.6	36	2	US-09-350-641C-3	Sequence 3, Appl	348	5	11.6	78	2	US-09-902-540-13624	Sequence 13624, A
276	5	11.6	36	2	US-09-350-841A-26	Sequence 26, Appl	349	5	11.6	79	2	US-09-540-236-3183	Sequence 3183, Ap
277	5	11.6	36	2	US-09-491-614B-23	Sequence 23, Appl	350	5	11.6	80	2	US-09-345-236B-143	Sequence 143, Ap
278	5	11.6	38	2	US-09-491-614B-32	Sequence 32, Appl	351	5	11.6	80	2	US-09-489-039A-13035	Sequence 13035, A
279	5	11.6	40	2	US-09-270-767-59296	Sequence 59296, A	352	5	11.6	81	2	US-09-252-991A-26442	Sequence 26442, A
280	5	11.6	40	2	US-08-962-560C-63	Sequence 63, Appl	353	5	11.6	81	2	US-09-902-540-12401	Sequence 12401, A
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282	5	11.6	42	2	US-08-956-307B-2	Sequence 2, Appl	355	5	11.6	82	2	US-09-513-999C-4935	Sequence 4935, Ap
283	5	11.6	43	2	US-09-376-463-26	Sequence 26, Appl	356	5	11.6	83	2	US-09-621-976-6522	Sequence 6522, Ap
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287	5	11.6	45	1	US-08-422-101-22	Sequence 22, Appl	360	5	11.6	84	1	US-08-452-592B-8	Sequence 8, Appl
288	5	11.6	45	1	US-08-422-091-22	Sequence 22, Appl	361	5	11.6	84	1	US-08-452-592B-9	Sequence 9, Appl
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294	5	11.6	45	2	US-09-026-985-57	Sequence 57, Appl	367	5	11.6	86	2	US-09-299-495F-52	Sequence 52, Appl
295	5	11.6	45	2	US-09-121-952A-57	Sequence 57, Appl	368	5	11.6	86	2	US-09-107-532A-4130	Sequence 4130, Ap
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297	5	11.6	45	2	US-09-355-014-57	Sequence 57, Appl	370	5	11.6	87	2	US-09-107-433-3623	Sequence 3623, Ap
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299	5	11.6	48	2	US-09-376-463-29	Sequence 29, Appl	372	5	11.6	88	1	US-08-203-676-21	Sequence 21, Appl
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313	5	11.6	59	2	US-08-754-477A-20	Sequence 20, Appl	386	5	11.6	98	2	US-09-248-796A-22577	Sequence 22577, A
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315	5	11.6	60	2	US-09-376-463-6	Sequence 6, Appl	388	5	11.6	100	1	US-09-147-875A-5	Sequence 5, Appl
316	5	11.6	60	2	US-10-179-784-15	Sequence 15, Appl	389	5	11.6	100	6	5252466-19	Patent No. 5252466
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402	5	11.6	105	2	US-09-583-110-5144	Sequence 5144, Ap	475	5	11.6	143	2	US-09-513-999C-7973	Sequence 7973, Ap
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422	5	11.6	115	2	US-09-367-206-18	Sequence 18, Appl	495	5	11.6	155	2	US-09-148-545-178	Sequence 178, App
423	5	11.6	115	2	US-09-248-796A-24976	Sequence 24976, A	496	5	11.6	155	2	US-09-621-011-178	Sequence 178, App
424	5	11.6	115	2	US-09-806-437-2	Sequence 2, Appli	497	5	11.6	155	2	US-10-206-576-112	Sequence 112, App
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448	5	11.6	130	2	US-09-543-681A-4988	Sequence 4988, Ap	521	5	11.6	164	2	US-09-949-016-7614	Sequence 7614, Ap
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450	5	11.6	130	2	US-09-438-185A-120	Sequence 120, App	523	5	11.6	165	1	US-08-476-537-106	Sequence 106, App
451	5	11.6	130	2	US-10-198-053-573	Sequence 573, App	524	5	11.6	165	1	US-08-485-607-106	Sequence 106, App
452	5	11.6	132	2	US-09-949-016-9217	Sequence 9217, Ap	525	5	11.6	165	1	US-08-475-879-106	Sequence 106, App
453	5	11.6	132	2	US-09-949-016-9218	Sequence 9218, Ap	526	5	11.6	165	1	US-09-433-043B-106	Sequence 106, App
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461	5	11.6	137	2	US-10-054-988-163	Sequence 163, App	534	5	11.6	169	2	US-09-602-787A-204	Sequence 204, App
462	5	11.6	138	2	US-09-252-991A-26095	Sequence 26095, A	535	5	11.6	169	2	US-09-270-767-57286	Sequence 57286, A
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464	5	11.6	140	2	US-09-621-976-6296	Sequence 6296, Ap	537	5	11.6	172	2	US-09-543-681A-6098	Sequence 6098, Ap
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541	5	11.6	176	2	US-09-489-039A-14335	Sequence 14335, A	614	5	11.6	210	2	US-09-949-016-10603	Sequence 10603, A
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550	5	11.6	181	4	PCT-US94-04190-28	Sequence 28, Appl	623	5	11.6	214	2	US-09-252-991A-28055	Sequence 28055, A
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561	5	11.6	190	2	US-09-489-039A-3343	Sequence 9343, Ap	634	5	11.6	219	2	US-09-270-767-58822	Sequence 11189, A
562	5	11.6	190	2	US-09-902-540-9718	Sequence 9718, Ap	635	5	11.6	219	2	US-09-902-540-11189	Sequence 7578, Ap
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564	5	11.6	191	2	US-09-232-197-15	Sequence 15, Appl	637	5	11.6	221	2	US-08-390-353A-6	Sequence 283, App
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566	5	11.6	191	2	US-09-232-201-15	Sequence 15, Appl	639	5	11.6	221	2	US-09-101-059-6	Sequence 21282, A
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849	5	11.6	288	2	US-09-134-000C-3645	Sequence 3645, Ap	922	5	11.6	317	2	US-09-134-000C-6456	Sequence 6456, Ap
850	5	11.6	289	2	US-09-603-208A-72	Sequence 72, Appl	923	5	11.6	317	2	US-09-270-767-43170	Sequence 43170, A
851	5	11.6	290	1	US-08-457-245-7	Sequence 7, Appl	924	5	11.6	318	2	US-09-902-540-10897	Sequence 10897, A
852	5	11.6	290	2	US-09-605-703B-2682	Sequence 2682, Ap	925	5	11.6	320	2	US-09-252-991A-29428	Sequence 29428, A
853	5	11.6	291	2	US-09-252-991A-25517	Sequence 25517, A	926	5	11.6	320	2	US-09-902-540-15125	Sequence 15125, A
854	5	11.6	292	2	US-09-270-767-44114	Sequence 44114, A	927	5	11.6	322	2	US-09-540-236-3120	Sequence 3120, Ap
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857	5	11.6	295	2	US-09-134-001C-2850	Sequence 2850, Ap	930	5	11.6	323	2	US-08-871-268A-22	Sequence 22, Appl
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859	5	11.6	295	2	US-09-993-833A-2	Sequence 2, Appl	932	5	11.6	323	2	US-08-618-419-30	Sequence 30, Appl
860	5	11.6	295	2	US-10-020-445A-2	Sequence 2, Appl	933	5	11.6	323	2	US-08-163-674-22	Sequence 22, Appl
861	5	11.6	296	1	PCT-US95-07752-2	Sequence 2, Appl	934	5	11.6	323	2	US-09-543-681A-5244	Sequence 5244, Ap
862	5	11.6	296	4	US-08-261-662-2	Sequence 2, Appl	935	5	11.6	323	2	US-09-902-540-15669	Sequence 15669, A
863	5	11.6	297	2	US-09-252-991A-29778	Sequence 29778, A	936	5	11.6	324	2	US-09-252-991A-28815	Sequence 28815, A
864	5	11.6	298	2	US-09-027-449-60	Sequence 60, Appl	937	5	11.6	325	2	US-08-581-148C-4	Sequence 4, Appl
865	5	11.6	298	2	US-08-804-444A-60	Sequence 60, Appl	938	5	11.6	325	2	US-09-868-352-21	Sequence 21, Appl
866	5	11.6	298	2	US-09-026-985-60	Sequence 60, Appl	939	5	11.6	326	2	US-09-538-092-352	Sequence 352, App
867	5	11.6	298	2	US-09-121-952A-60	Sequence 60, Appl	940	5	11.6	328	2	US-09-252-991A-26670	Sequence 26670, A
868	5	11.6	298	2	US-09-234-340A-60	Sequence 60, Appl	941	5	11.6	328	2	US-09-252-991A-31818	Sequence 31818, A
869	5	11.6	298	2	US-09-902-540-15642	Sequence 15642, A	942	5	11.6	329	2	US-09-439-313-376	Sequence 376, App
870	5	11.6	298	2	US-09-355-014-60	Sequence 60, Appl	943	5	11.6	329	2	US-09-352-616A-376	Sequence 376, App
871	5	11.6	299	2	US-10-311-582-4	Sequence 4, Appl	944	5	11.6	329	2	US-09-289-188-299	Sequence 299, App
872	5	11.6	299	2	US-09-270-767-42653	Sequence 42653, A	945	5	11.6	329	2	US-09-543-681A-4491	Sequence 4491, Ap
873	5	11.6	299	2	US-09-902-540-13808	Sequence 13808, A	946	5	11.6	329	2	US-09-636-215-376	Sequence 376, App
874	5	11.6	300	2	US-09-097-309-7	Sequence 7, Appl	947	5	11.6	329	2	US-09-685-166A-376	Sequence 376, App
875	5	11.6	300	2	US-09-097-171A-11	Sequence 11, Appl	948	5	11.6	329	2	US-09-429-755-299	Sequence 299, App
876	5	11.6	300	2	US-09-422-712B-3	Sequence 3, Appl	949	5	11.6	329	2	US-09-657-279-376	Sequence 376, App
877	5	11.6	300	2	US-09-607-756-3	Sequence 7, Appl	950	5	11.6	329	2	US-09-679-426-376	Sequence 376, App
878	5	11.6	300	2	US-09-460-587-7	Sequence 7, Appl	951	5	11.6	329	2	US-09-759-143-376	Sequence 376, App
879	5	11.6	300	2	US-09-252-991A-27457	Sequence 27457, A	952	5	11.6	329	2	US-09-651-236-376	Sequence 376, App
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881	5	11.6	300	2	US-09-940-166A-7	Sequence 7, Appl	954	5	11.6	329	2	US-09-534-825A-299	Sequence 299, App
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887	5	11.6	302	2	US-09-252-991A-25971	Sequence 25971, A	960	5	11.6	330	2	US-09-252-991A-25521	Sequence 25521, A
888	5	11.6	303	2	US-09-543-681A-5539	Sequence 5539, Ap	961	5	11.6	330	2	US-09-232-195-51	Sequence 51, Appl
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892	5	11.6	305	2	US-09-270-767-56884	Sequence 56884, A	965	5	11.6	332	2	US-09-252-991A-24826	Sequence 24826, A
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894	5	11.6	306	2	US-09-252-991A-19591	Sequence 19591, A	967	5	11.6	333	2	US-09-562-737-6	Sequence 6, Appl
895	5	11.6	306	2	US-09-543-681A-4223	Sequence 4223, Ap	968	5	11.6	334	1	US-08-663-647-3	Sequence 3, Appl
896	5	11.6	306	2	US-09-543-681A-4223	Sequence 4155, Ap	969	5	11.6	334	2	US-09-071-035-106	Sequence 106, App
897	5	11.6	308	2	US-09-540-236-3051	Sequence 3051, Ap	970	5	11.6	334	2	US-09-134-000C-6029	Sequence 6029, Ap
898	5	11.6	309	2	US-09-071-035-108	Sequence 108, App	971	5	11.6	334	2	US-09-716-964B-174	Sequence 174, App
899	5	11.6	309	2	US-09-252-991A-23590	Sequence 23590, A	972	5	11.6	334	6	US-10-206-576-106	Sequence 106, App
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901	5	11.6	309	2	US-09-248-796A-15871	Sequence 15871, A	974	5	11.6	335	1	US-08-202-054-2	Sequence 2, Appl
902	5	11.6	309	2	US-09-902-540-15963	Sequence 15963, A	975	5	11.6	335	1	US-08-446-923-2	Sequence 2, Appl
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977 5 11.6 335 2 US-09-107-532A-6539 Sequence 6539, Ap
978 5 11.6 335 2 US-09-489-039A-10671 Sequence 10671, A
979 5 11.6 335 2 US-09-949-016-11210 Sequence 11210, A
980 5 11.6 336 2 US-09-540-236-2282 Sequence 2282, Ap
981 5 11.6 336 2 US-09-902-540-14866 Sequence 14866, A
982 5 11.6 336 2 US-09-902-540-15626 Sequence 15626, A
983 5 11.6 336 2 US-09-605-703B-580 Sequence 580, App
984 5 11.6 336 2 US-09-605-703B-582 Sequence 582, App
985 5 11.6 337 2 US-09-252-991A-27226 Sequence 27226, A
986 5 11.6 337 2 US-09-543-681A-7707 Sequence 7707, Ap
987 5 11.6 337 2 US-09-489-039A-14173 Sequence 14173, A
988 5 11.6 338 2 US-09-198-452A-1050 Sequence 1050, Ap
989 5 11.6 338 2 US-09-543-681A-4835 Sequence 4835, Ap
990 5 11.6 339 2 US-09-602-787A-292 Sequence 292, App
991 5 11.6 340 2 US-09-949-016-10217 Sequence 10217, A
992 5 11.6 341 2 US-09-377-285B-32 Sequence 32, Appl
993 5 11.6 341 2 US-09-902-540-10170 Sequence 10170, A
994 5 11.6 342 2 US-10-192-381-32 Sequence 32, Appl
995 5 11.6 342 2 US-09-328-352-6331 Sequence 6331, Ap
996 5 11.6 342 2 US-09-543-681A-6370 Sequence 6370, Ap
997 5 11.6 342 2 US-09-489-039A-7552 Sequence 7552, Ap
998 5 11.6 343 2 US-09-938-901A-6 Sequence 6, Appl
999 5 11.6 343 2 US-09-938-901A-58 Sequence 58, Appl
1000 5 11.6 344 2 US-09-252-991A-23772 Sequence 23772, A

ALIGNMENTS

US-09-949-016-10895
; Sequence 10895, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10895
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10895
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Best Local Similarity 100.0%; Pred. No. 0.0012;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 NTALRTEVAEL 22
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Db 314 NTALRTEVAEL 324

RESULT 2
US-09-621-976-7606
; Sequence 7606, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTS and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
;
Query Match 16.3%; Score 7; DB 1; Length 89;
Best Local Similarity 100.0%; Pred. No. 5;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 20 AELEQEV 26
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; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 7606
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-621-976-7606
Query Match 20.9%; Score 9; DB 2; Length 96;
Best Local Similarity 100.0%; Pred. No. 0.044;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 21 ELEQEVQL 29
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Db 20 ELEQEVQL 28

RESULT 3
US-08-690-011A-52
; Sequence 52, Application US/08690011A
; Patent No. 5942433
; GENERAL INFORMATION:
; APPLICANT: VINSON, Charles R.
; APPLICANT: KRYLOV, Dmitry
; TITLE OF INVENTION: EXTENSION OF A PROTEIN-PROTEIN
; INTERACTION SURFACE TO INACTIVATE THE FUNCTION OF A
; CELLULAR PROTEIN
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/690,011A
; FILING DATE: 31-JUL-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/001,654
; FILING DATE: 31-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/018,496
; FILING DATE: 29-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Serunian, Lealie A.
; REGISTRATION NUMBER: 35,353
; REFERENCE/DOCKET NUMBER: 2026-4199US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)758-4800
; TELEFAX: (212)751-6849
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 89 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-690-011A-52
Query Match 16.3%; Score 7; DB 1; Length 89;
Best Local Similarity 100.0%; Pred. No. 5;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 20 AELEQEV 26
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Db 44 AELEQEV 50

RESULT 4

US-09-299-495F-64

; Sequence 64, Application US/09299495F

; Patent No. 6361968

; GENERAL INFORMATION:

; APPLICANT: VINSON, Charles R.

; KRYLOV, Dmitry

; TITLE OF INVENTION: EXTENSION OF A PROTEIN-PROTEIN

; INTERACTION SURFACE TO INACTIVATE THE FUNCTION OF A

; CELLULAR PROTEIN

; NUMBER OF SEQUENCES: 64

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MORGAN & FINNEGAN, L.L.P.

; STREET: 345 Park Avenue

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10154-0053

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: MS WORD 97

; SOFTWARE: ASCII

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/299,495F

; FILING DATE: 26-Apr-1999

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/001,654

; FILING DATE: 31-JUL-1995

; APPLICATION NUMBER: 60/018,496

; FILING DATE: 29-MAY-1996

; APPLICATION NUMBER: 08/690,011

; FILING DATE: 31-JULY-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Serunian, Leslie A.

; REGISTRATION NUMBER: 35,353

; REFERENCE/DOCKET NUMBER: 2026-4199US2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212)758-4800

; TELEFAX: (212)751-6849

; INFORMATION FOR SEQ ID NO: 64:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 89 amino acids

; TYPE: amino acid

; STRANDEDNESS: unknown

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; SEQUENCE DESCRIPTION: SEQ ID NO: 64:

US-09-299-495F-64

Query Match

Best Local Similarity 16.3%; Score 7; DB 2; Length 89;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 20 AELEQEV 26

Db 44 AELEQEV 50

RESULT 5

US-09-489-039A-11016

; Sequence 11016, Application US/09489039A

; Patent No. 6610836

; GENERAL INFORMATION:

; APPLICANT: Gary Bretton et. al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

; FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS

; CURRENT APPLICATION NUMBER: US/09/489,039A

; CURRENT FILING DATE: 2000-01-27

; PRIOR APPLICATION NUMBER: US 60/117,747

; PRIOR FILING DATE: 1999-01-29

; SEQ ID NO 11016

; LENGTH: 425

; TYPE: PRT

; ORGANISM: Klebsiella pneumoniae

US-09-489-039A-11016

Query Match

Best Local Similarity 16.3%; Score 7; DB 2; Length 425;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 RAAFLRQ 10

Db 87 RAAFLRQ 93

RESULT 6

US-09-570-337B-2

; Sequence 2, Application US/09570337B

; Patent No. 6685932

; GENERAL INFORMATION:

; APPLICANT: European Molecular Biology Laboratory (EMBL)

; APPLICANT: Dominques, Helena

; APPLICANT: Cregut, David

; APPLICANT: Sebald, Walter

; APPLICANT: Oschkinat, Hartmut

; APPLICANT: Serrano, Luis

; TITLE OF INVENTION: Design of Coiled-Coil Dimer Derived Antagonists of 4-Helix Bundle

; FILE REFERENCE: Cytokine Specific Receptors

; CURRENT APPLICATION NUMBER: US/09/570,337B

; CURRENT FILING DATE: 2000-05-12

; NUMBER OF SEQ ID NOS: 9

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 2

; LENGTH: 31

; TYPE: PRT

; ORGANISM: Artificial Sequence

; NAME/KEY: misc feature

; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide

; NAME/KEY: misc feature

; OTHER INFORMATION: Model 2, interleukin-4 mimetic peptide 4082 Kd micrometers

US-09-570-337B-2

Query Match

Best Local Similarity 14.0%; Score 6; DB 2; Length 31;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 28 RLENEV 33

Db 18 RLENEV 23

RESULT 7

US-09-570-337B-3

; Sequence 3, Application US/09570337B

; Patent No. 6685932

; GENERAL INFORMATION:

; APPLICANT: European Molecular Biology Laboratory (EMBL)

; APPLICANT: Dominiques, Helena

; APPLICANT: Cregut, David

; APPLICANT: Sebald, Walter

; APPLICANT: Oschkinat, Hartmut

; APPLICANT: Serrano, Luis

; TITLE OF INVENTION: Design of Coiled-Coil Dimer Derived Antagonists of 4-Helix Bundle

; FILE REFERENCE: Cytokine Specific Receptors

; CURRENT APPLICATION NUMBER: US/09/570,337B

; CURRENT FILING DATE: 2000-05-12

; NUMBER OF SEQ ID NOS: 9

; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
; NAME/KEY: misc feature
; OTHER INFORMATION: Model 2a, interleukin-4 mimetic peptide 2160 Kd micrometers
US-09-570-337B-3

Query Match 14.0%; Score 6; DB 2; Length 31;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 28 RLENEV 33
Db 18 RLENEV 23

RESULT 8
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; Patent No. 6685932
; GENERAL INFORMATION:
; APPLICANT: European Molecular Biology Laboratory (EMBL)
; APPLICANT: Domingues, Helena
; APPLICANT: Cregut, David
; APPLICANT: Sebald, Walter
; APPLICANT: Oschkinat, Hartmut
; APPLICANT: Serrano, Luis
; TITLE OF INVENTION: Design of Coiled-Coil Dimer Derived Antagonists of 4-Helix Bundle
; FILE REFERENCE: 100564-00000
; CURRENT APPLICATION NUMBER: US/09/570.337B
; CURRENT FILING DATE: 2000-05-12
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
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; FEATURE:
; NAME/KEY: misc feature
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; NAME/KEY: misc feature
; OTHER INFORMATION: Model 2b, interleukin-4 mimetic peptide 193 Kd micrometers
US-09-570-337B-4

Query Match 14.0%; Score 6; DB 2; Length 31;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 28 RLENEV 33
Db 18 RLENEV 23

RESULT 9
US-07-752-101A-8
; Sequence 8, Application US/07752101A
; Patent No. 5326857
; GENERAL INFORMATION:
; APPLICANT: Yamamoto, Fumi-ichiro
; APPLICANT: White, Thayer
; APPLICANT: Hakomori, Sen-itiroh
; APPLICANT: Clausen, Henrik
; TITLE OF INVENTION: ABO GENOTYPING
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry
; STREET: 6300 Columbia Center, 701 Fifth Avenue

; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/752.101A
; FILING DATE: 19910829
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 150036.406C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-622-4900
; TELEFAX: 206-682-6031
; TELEX: 3723836
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; FEATURE:
; NAME/KEY: Region
; LOCATION: 28
; OTHER INFORMATION: /label= unsure
; OTHER INFORMATION: /note= "This amino acid is unknown."
US-07-752-101A-8

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Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 24 QEVQRL 29
Db 17 QEVQRL 22

RESULT 10
US-09-227-357-654
; Sequence 654, Application US/09227357
; Patent No. 6342581
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P1
; CURRENT APPLICATION NUMBER: US/09/227,357
; CURRENT FILING DATE: 1999-01-08
; EARLIER APPLICATION NUMBER: PCT/US98/13684
; EARLIER FILING DATE: 1998-07-07
; EARLIER APPLICATION NUMBER: 60/051,926
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,793
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,925
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,929
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,803
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,732
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,931
; EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,932
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,916
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,930
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,918
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,920
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052,733
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052,795
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EARLIER APPLICATION NUMBER: 60/051,919
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EARLIER APPLICATION NUMBER: 60/051,928
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/055,722
EARLIER FILING DATE: 1997-08-18
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EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,948
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EARLIER APPLICATION NUMBER: 60/055,950
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,947
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,964
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/056,360
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,684
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,984
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,954
EARLIER FILING DATE: 1997-08-18
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EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,664
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EARLIER APPLICATION NUMBER: 60/058,660
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,661
EARLIER FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 672
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 654
LENGTH: 66
TYPE: PRT
ORGANISM: Homo sapiens
US-09-227-357-654

Query Match 14.0%; Score 6; DB 2; Length 66;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 RAAFLR 9
DB 50 RAAFLR 55

RESULT 11
US-09-973-278-372
Sequence 372, Application US/09973278
Patent No. 6924354
GENERAL INFORMATION:
APPLICANT: Fischer et al.

TITLE OF INVENTION: 123 Human Secreted Proteins
FILE REFERENCE: PZ010P2
CURRENT APPLICATION NUMBER: US/09/973,278
CURRENT FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: 60/239,899
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 09/227,357
PRIOR FILING DATE: 1999-01-08
PRIOR APPLICATION NUMBER: PCT/US98/13684
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/051,926
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,793
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,925
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PRIOR APPLICATION NUMBER: 60/052,803
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PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,920
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PRIOR APPLICATION NUMBER: 60/055,723
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PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/058,785
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,664
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,660
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,661
PRIOR FILING DATE: 1997-09-12

; PRIOR FILING DATE: 1997-09-12
; NUMBER OF SEQ ID NOS: 947
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 372
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-973-278-372

Query Match 14.0%; Score 6; DB 2; Length 66;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 RAAFLR 9
Db 50 RAAFLR 55
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RESULT 12
US-09-248-796A-22740
; Sequence 22740, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 22740
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-22740

Query Match 14.0%; Score 6; DB 2; Length 67;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 FLQRN 12
Db 14 FLQRN 19
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RESULT 13
US-09-543-681A-4424
; Sequence 4424, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABIL
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4424
; LENGTH: 84
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4424

Query Match 14.0%; Score 6; DB 2; Length 84;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 34 SQYETR 39
Db 69 SQYETR 74
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RESULT 14
US-08-062-472B-10
; Sequence 10, Application US/08062472B
; Patent No. 5695954
; GENERAL INFORMATION:
; APPLICANT: Sherwood, Nancy G M
; APPLICANT: Parker, David B
; APPLICANT: McRory, John E
; APPLICANT: Lescheid, David W
; TITLE OF INVENTION: DNA ENCODING TWO FISH NEUROPEPTIDES
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: KLARQUIST, SPARKMAN, CAMPBELL, LEIGH &
; ADDRESSEE: WHINSTON, LLP
; STREET: ONE WORLD TRADE CENTER, SUITE 1600, 121 S.W.
; STREET: SALMON STREET
; CITY: PORTLAND
; STATE: OREGON
; COUNTRY: USA
; ZIP: 97204-2988
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/062,472B
; FILING DATE: 14-MAY-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: POLLEY, RICHARD J
; REGISTRATION NUMBER: 28107
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (503) 228-9446
; TELEFAX: (503) 228-9446
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 87 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-062-472B-10

Query Match 14.0%; Score 6; DB 1; Length 87;
Best Local Similarity 100.0%; Pred. No. 54;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 28 RLENEV 33
Db 33 RLENEV 38
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RESULT 15
US-09-543-681A-4345
; Sequence 4345, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABIL
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4345

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; LENGTH: 91
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4345

Query Match      14.0%; Score 6; DB 2; Length 91;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      20 AELEQE 25
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Db      41 AELEQE 46
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Job time : 32.9931 secs

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